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Our Unjust Tariff Law.

A Plain Statement

ABOUT

High Taxes.

BY

HENRY LOOMIS NELSON,

CLERK TO THE SPEAKER OF THE HOUSE OF REPRESENTATIVES.

WITH AN INTRODUCTORY LETTER

BY

HON. J. G. CARLISLE.

BOSTON:

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32 BROMFIELD STREET.

1884.

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P R E F A C E.

THIS book is intended to present the argument, as it stands to-day, in favor of a reduction of existing rates of duty, and of a tariff for revenue exclusively. The purpose is to state fairly the present positions of the protectionists and their opponents, and to show the merchant, and the men who work on farms, in shops, in factories, in offices, and in their studies, the evils inflicted upon the country by the protective system, and the benefits which were conferred by the low tariff which the country enjoyed between 1850 and 1860.

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SPEAKER'S ROOM, HOUSE OF REPRESENTATIVES,
WASHINGTON, D. C., July 4, 1884.

HENRY L. NELSON, Esq.

DEAR SIR,—Learning that you have prepared and propose to publish a volume containing a condensed statement of the arguments in opposition to the protective system, and in favor of a revenue tariff, I desire to say that in my opinion such a work will, on account of the great importance of the subject to which it relates, be received as a welcome addition to what has already been done by the public press and our public men during the last few years. The question of revenue reform is now engaging the earnest attention of the people in every part of the country, and it is evident that the agitation must go on until the inequalities of our present system of taxation shall be removed, and the taxing power of the government restricted to its legitimate purposes. In order to secure these results there must be intelligent discussion of the whole subject in all its bearings upon the industrial and commercial interests of the country, and therefore every honest attempt to place within the reach of the people such facts and arguments as will enable them to understand the unjust operations of the existing system, and the advantages of a more liberal one, should receive the approbation and encouragement of all who desire to promote the welfare of those engaged in our various industries at home, as well as those employed in our foreign carrying trade.

Very respectfully yours,

J. G. CARLISLE.

OUR UNJUST TARIFF LAW.

I.

WHAT PROTECTION MEANS.

PROTECTION in this country means a tax levied on every merchant, working-man, farmer, and other consumer for the benefit of certain manufacturers.

The tax is indirect; it is paid, first, by the person who buys in a foreign country goods that are on the tariff list. In the end it is paid by the man who buys the goods for his own use. For example, if the government collects 55 per cent on a woollen coat which cost in England \$10, the merchant who buys it and brings it here must pay for it \$15.50, and when he sells it to the man who will wear it, he must charge him the \$15.50 and the profit which he must get in order to pay the expenses of his store and his home and for savings. The \$5.50 represents, speaking roughly, the difference between the price paid by the American who wears the coat and that paid by the Englishman who wears its mate.

There is no answer to this proposition. If the tax were not added to the price paid by the consumer, then there would be no "protection" about it.

This tax came to be called protective because it is supposed to make it profitable for Americans to engage in certain kinds of business, which they would not engage in if the law did not tax the people for their benefit.

For example: If A wants to be a woollen manufacturer, he first makes up his mind that the woollens that he will

make will be too bad and too dear for the people of this country. Therefore he goes to the Congress and asks for "protection." He asks that the government shall make the price of foreign woollens so high that he can undersell the foreign manufacturers. The result is, that if an American buys the foreign woollen because he wants better cloth than is made in his own country, he must pay in the average 57.71 per cent more than an Englishman or Frenchman would be obliged to pay for it. The extra price goes to the government. If he buys American woollen, he pays more than it is worth, and this increased price goes to the manufacturer, in order that he may have a profitable business. If the American complains because the government takes away his savings to add to the savings of his neighbor the manufacturer, this manufacturer and his fellows say that the American is unpatriotic, because they have come to believe that the government was founded for their benefit.

This system was not always called protection. When our revolution came, it was called the "colonial system." By means of it Great Britain enabled those of her subjects living at home to make their several branches of business profitable at the expense of those of her subjects who lived in the colonies. The colonists were forced to trade with the mother country under severe penalties. One result of Great Britain's colonial system was the loss of her American colonies.

It was a universal heresy a hundred years ago, that trade ought to be governed and controlled by human laws; and that if, in commercial transactions, one nation was obliged to pay money to another nation, the first nation suffered a loss.

For example: If A is a baker and B is a tailor, and A buys his clothes of B, and B buys only a part or none of his bread of A, A pays for his clothes in money. He buys the

clothes of B because he can get them cheaper of him than of any other tailor, while A charges more for his bread than B is willing to pay. Does A lose because he pays money to B instead of bread, selling his bread to those who are willing to pay more for it than B? This was the old doctrine about nations. Under this old doctrine it would have meant a loss if we sold our raw cotton to England for more than France would give, and paid money to France for silks. The doctrine of protection is a survival of the old ignorance and bigotry which considered it dangerous for nations to have commercial relations with each other.

When we had made peace with Great Britain, John Adams, Benjamin Franklin, and the other negotiators of our treaties with foreign powers attempted to secure an agreement for unrestrained trade; but the prejudices of the day were too strong, and the attempts failed. Then some of the States undertook to retaliate, for the purpose of making France and Great Britain come to terms. But the system did not work well, for the English ships unloaded in New York instead of Boston, and laughed at the little protection dodge. Still it was firmly fixed in the minds of most of the leading public men of a hundred years ago that it would be wise for the American people if Great Britain refused to permit them to sell what they raised from their soil in her dear markets, and to refuse, on their part, to purchase in her cheap markets. It was thus early that the true wisdom of protection asserted itself.

As soon as our present constitution was adopted, the agitation for protection was begun, and by that time the name "Protection" was employed.

Taxing commerce and labor and agriculture is a very indirect way to protect manufacturers; but it is the way it is done in this country. From the very first it was said, in speeches in Congress, and in laws enacted by Congress,

that the government must prevent the people of the United States from trading too much, because money would be lost if we bought what we needed too cheaply; that our people must not engage too extensively in agriculture, but that some of those who would naturally work on the farm must be induced to work in the factory, in order that there might be some one to eat up what was raised by those who persisted in remaining farmers. The idea of the protectionists was that we should make all the manufactured articles that we used. Therefore in 1789 a law was enacted which put a tax on imported articles, in order that their price might be increased so much that Americans could make similar articles and sell them for no more than the artificial price fixed by the government. The theory was also that the farmer ought to be invited to leave his fields and move into a town, because he could earn more money in a factory than on his land.

This theory makes the law of nature subordinate to the law of man. The result of it is that a Congress of politicians enact statutes for the purpose of distributing labor in diverse occupations, in order that the community may enjoy greater wealth. These politicians assume that they know what is best for men whose lives are devoted to making money; that men cannot be trusted to take care of their own interests.

At first the protectionists were very modest. They did not make demands; they preferred requests. The iron industries of Pennsylvania wanted a little protection for a very short time, in order that American working-men might be educated sufficiently to enable them to compete with the English operatives. As early as 1810, Mr. Gallatin, who was Secretary of the Treasury, reported that the following industries were "firmly established:" iron and manufactures of iron, manufactures of cotton, wool and flax, paper,

printing-types, books, etc. But this did not prevent a clamor for more protection. In fact the demands for protection increased the more protection was given.

For example: On manufactured cottons, not printed, stained, or colored, a duty of 15 per cent was imposed by the acts of 1797 and 1800; under the acts of 1804, 1807, and 1808 the duty was increased to $17\frac{1}{2}$ per cent; the acts of 1812, 1813, 1815, and 1816 further increased the rate to 35 per cent. This indicates the advance of protection. It grew with what it fed on.

Presently the argument changed. Very early in the century it was announced by the protectionists that they believed in taxing imports without any view of raising revenue, but for the purpose of protecting manufacturers. This theory means nothing less than that if, of two men living in the same city, A desires to make cloth, and B desires to import similar cloth, the government ought to drive B out of business, by taxing what he desires to sell, in order that A may conduct his manufacturing business profitably.

This is substantially the present position of the protectionists. They say that they levy a tariff tax to prevent commerce, and to increase manufactures. This tax is paid by the person who buys the goods. If imported goods are bought, the importer adds the amount of duty paid by him to the other elements of cost. If domestic goods are bought, the manufacturer is enabled to charge the consumer the whole tariff duty in addition to the price he would have been obliged to accept if he had been forced to compete with the foreign goods.

The clamor of protected interests for more taxes on the people grew until 1824, when the rates of duty were increased so that the average rate was equal to 37 per cent. But even then the clamor did not cease. The manufacturers

insisted that the people were not taxed enough, and that more taxes must be imposed in order that those who made blankets, and woollen goods, and hats, and trace-chains, and iron articles of all kinds, could gain more profit. Therefore, in 1828, the "tariff of abominations" was passed. Prof. Sumner says this tariff imposed an average tax of 41 per cent on the consumers of the country.

In 1833 reduction began, and it was a horizontal reduction, the law providing for a reduction of rates, every other year, by one-tenth of the excess over 20 per cent until 1841, and that in 1842 no rate of duty should be greater than 20 per cent.

In 1842 duties were again raised. In 1846 a tariff was passed that reduced duties to $25\frac{1}{2}$ per cent, and in 1857 the duties were still further reduced to $20\frac{1}{4}$ per cent. From 1846 the country enjoyed great prosperity.

The Morrill Tariff Act of 1861 was the beginning of a new era of protection. Since that time the interests for whose benefit the people have been taxed have not ceased to clamor for more. The Morrill tariff lasted four months, and then tariff taxes were increased. Again in 1862 the taxes were raised, and again in 1864, 1865, 1866, and 1867. In 1870 there was a slight reduction of duties. In 1874, the average rate of duties was $38\frac{1}{2}$ per cent.

In 1815 Mr. Clay asked for a tax of 25 per cent, saying that if this bounty were granted he believed that "three years would be sufficient to place our manufacturers on this desirable footing" [*i. e.* where their goods might be sold as cheaply as similar goods were sold abroad].

Mr. Clay is very often called "The Father of the American System." Those who make use of this expression mean that he is the originator of a system that taxes all the people of the country for the benefit of a few manufacturers. Mr. Clay believed that tariff taxes, like all other taxes, should be

levied for the purpose of producing revenue for the country. If in doing this, he said, incidental protection can be afforded to home industry, he invoked every patriot to unite in effecting that object.

This is not the interpretation of the present generation of descendants of this "Father of the American System." Senator Frye said, in 1882, "I am a protectionist from principle. If there were no public debt, no interest to pay, no pension list, no army and no navy to support, I still should oppose free trade and its twin sister, tariff for revenue only, and favor protective duties."

More recently still, Mr. Russell, a member of the Ways and Means Committee of the House of Representatives, announced in a speech in Congress that he belonged to the party of protection, and that that party would appeal to the people on its tariff policy, which was that taxes should be levied not only to support the government, but to "protect" (support) certain private citizens who desire to grow rich in the business of manufacturing, and who ask the government to enable them to realize their desire by compelling all their fellow-citizens to pay more for American goods than they would be obliged to pay for similar foreign goods; and to prevent certain of their fellow-citizens from engaging in the business of importing such foreign goods.

Now, therefore, the meaning of protection is clear. It is that this government shall continue to lay a tax on the people for the support of the manufacturers. There were 50,155,783 people in this country, according to the last census, and only 3,837,112 of them were engaged in the work of manufacturing. When Mr. Morrill asked to have duties increased, in 1861, he said that the bill was a war measure. In 1864 he said again:—"This is intended as a war measure, a temporary measure, and we must, as such, give it our support."

In 1870 a number of those who now adopt the position laid down by the leading men of their party, that protection is right for the sake of protection, advocated a repeal of the war duties. Among these advocates of a freer trade were the late President Garfield and Senator Allison. About this time there was a reaction against the high tariff rates. The high rates were imposed in 1864, "as a necessary offset to internal revenue duties and as a temporary war tariff." Since the war four fifths of the internal taxes have been repealed, and still the duties remain as high as they ever were. Mr. Morrill said in 1870: "Protection has here no legitimate claims, and it may be taken off whenever direct taxes are repealed and less revenue is desired." Two years before Mr. N. P. Banks, then a member of the Committee on Ways and Means of the House of Representatives, thought that the time had come when the duties must be taken off. Many New England manufacturers agreed with him, and they prepared a scheme of reduction in which they stated what their business could stand. Mr. Banks stated, on the floor of the House, that the manufacturers consented to a reduction of from 23 to 25 per cent.

But the reduction was not made. On the contrary, duties were increased, and three or four years ago there was another popular clamor for the lowering of tariff taxes. This time the country was given a commission, and revision was put off a year. The Commission reported that the best conservative business interests of the country demanded a reduction of duties of from 20 to 25 per cent. Congress passed a bill that reduced duties from 5 to 6 per cent, and now when the attempt is made to effect a reduction that shall fully satisfy the best conservative opinion of the country, the protectionists announce that they are in favor of maintaining the existing high rates, and of a tariff for the sake of the protection it affords. It is significant that they

betray a consciousness of the growing weakness of their cause by a change of opinion as to the beneficiaries of their system. Formerly protection was for the purpose of building up manufactures; now they profess it is for keeping up the wages of American laborers.

From all that has been said it will be seen that there have been substantially two periods when the protective sentiment prevailed in Congress. The first was during the early days of the government, and the appeal was for the building up of manufactures. The second began with the war, and during this period a high protective tariff was fastened on the country for the purpose of raising a revenue made necessarily large by the demands of the war. The average duty before the revision was 40.52 per cent; the revision made it 38.14 per cent, according to a calculation made by the Bureau of Statistics.

From time to time this high tariff has been attacked, but from one cause or another it has escaped. After 1873 the protectionists begged that Congress should not disturb them while trade was depressed; in 1882 the plea was that business was too prosperous to permit of the "agitation of the tariff question." But the attack this time was in earnest, and the protectionists resorted to the commission scheme, under which a revision was made. Now that this revision is known to be unsatisfactory, and that protection must fight for existence, the position of its advocates is boldly announced. They are for protection for the sake of protection. They appeal to the country on the proposition that it is right to tax the people on an average about 40 per cent on every article in the long list of the tariff law, in order that certain manufacturers may add that 40 per cent to the price of their products.

II.

WHAT IS "A TARIFF FOR REVENUE ONLY"?

THERE is no doubt that a large part of the revenues of this country must continue to be raised from tariff duties. No one denies this, and no one desires to repeal all tariff taxes, unless it be some impracticable person whose desires and whose influence are in inverse ratio. The public men who are falsely called "free traders," believe that the system of tariff taxation should be changed gradually; that taxes should be at once reduced, but that the reduction should be made in such a way that no industry should unnecessarily suffer. If John Smith, for example, has invested \$100,000 in a manufacturing business because the law promises to give him support and profit, no one desires to take his prop away suddenly. He will have plenty of time to look about for something — say, more enterprise and a larger market — to take the place of the taxes which have hitherto been imposed upon the people for his benefit.

The end to be reached by revenue reform is very clear. If a new start were to be made, those who are revenue reformers would object to any protective duties. What that means is this: They would advocate rates that would yield the amount of revenue needed by the government. Every tariff tax is of course a burden on commerce. If the average rate were what it was under the tariff of 1789, — 8½ per cent, — the manufacturer in this country would have just that much advantage over his French or English competitor. Mr. Russell, of Massachusetts, says that there is no such thing as incidental protection; that all protection that is not actually contemplated by the law is simply accidental. This is the necessary position of all protectionists

who favor the present high rate of duty. In insisting on its maintenance they must demand protection for the sake of protection. We know what the protectionists' idea of protection is. It is to keep up taxes to the highest point procurable from Congress. Therefore they oppose every attempt at reduction, no matter how little the proposed decrease of taxation may be. They certainly would not be satisfied with a tax just sufficient to meet the expenditures of the government, although — tax or no tax — the manufacturer in this country is protected against his European competitor by three thousand miles of ocean carriage, the cost of which the importer must add to the price of his goods. Therefore the manufacturer of this country has always some protection against the foreigner. No duty can be collected that does not raise the price somewhat. But what the revenue reformer would insist on, were the whole question to come before him as original, *i. e.*, if the country were about to begin to make a tariff law, would be that the taxes, tariff as well as direct, should be levied for public purposes exclusively.

Now, however, the question presented is different. The protective tariff laws that have been enacted under one pretext or another since 1860 have induced men to invest money in manufacturing enterprises. These men, or many of them, have already suffered serious losses by reason of the very law for the continuance of which they beg; but there is no doubt that many manufacturers would be financially ruined by the sudden and entire removal of the protective prop. Therefore no one proposes to take away altogether, and at once, what they receive from the people, because it has been given to them by the representatives of the people, who were, it is true, filled with the vague and unwholesome doctrine of protection, but who, nevertheless, were really the representatives, and whose action had been

indorsed by the voters, so far as their retention in Congress, for many prominent reasons, can be considered an indorsement of a dogma that has not been made prominent at all.

The action of the protective system is almost invariable. Men of large capital invest in a business. It may be in manufacturing, or it may be in wool-growing. They find either that they cannot make the business pay at all, or that it does not pay as great an interest as they think ought to be returned to them from their investment. They go to Congress for assistance. Sometimes they send agents bearing petitions; sometimes they secure the election to Congress of some one or two of their own number. Finally they obtain protection, and they are enabled to add to the price of the articles which they manufacture or grow from 10 to 100 per cent. The result is that, for a time, the business becomes enormously profitable, and a large number of other people engage in it. Some of these people have little capital. In the course of time comes the natural end of an unduly profitable business, of a disproportionately stimulated trade. If the business is wool-growing, too many farmers raise sheep; if it be manufacturing, too many mills are built. The result can be foreseen by everyone except those whose money is invested, and they are blinded by the statute book, in which is printed the promise that the government will provide them with profits out of the pockets of the people. The market becomes glutted with wool, or with the products of the mills, and the price falls. It continues to fall because there is no demand for the goods, which cannot be sent abroad to seek a foreign market, as the general system of protection has increased the cost of production so much that competition with foreign products in their own markets, is out of the question. Then the small farmers or manufacturers fail, while the capitalists close their

mills, or lock up their wool and wait. While they are waiting their laborers go without employment, and the farmer who raises produce suffers again because the working-men have no money with which to pay for the food needed by them and their families.

For example: A and B buy 10,000 sheep and determine to grow wool. This is in 1860, before the wool tariff was enacted. They do not make as much money as they think they ought to make, and they get a tax of from 5 to 25 per cent levied on their fellow citizens in order that their business may be rendered profitable. The tax is levied on foreign wools and increases their price, so that the price on American wool may be also increased. The increase makes the business profitable, and the farmer neighbors of A and B, who are not so rich as the wool-growers, determine that they will embark in the business into which the government has entered as a partner. So they buy 50 or 100 sheep each and greatly increase the aggregate number. This is all supposed to occur in a very simple and small country. Soon there is more wool in the market town than the people want. The poorer farmers cannot afford to remain without the money which they had expected to receive from their crops. They therefore sell for what they can get and are ruined. In the meantime A and B are waiting and refusing to sell their wool. They are rewarded in the end by receiving a high price for their product, their poorer contemporaries having been driven out of competition, and the demand for wool having revived. But, in the meantime, the whole company, rich and poor, prosperous and bankrupted, go to the government for more "protection," and the government kindly levies another tax on the people for the benefit of those who persist in raising sheep for their wool, when they ought to be growing grass or grain.

This is the old and familiar story of protective tariffs. It is recognized as familiar by all who are acquainted with the subject. The revenue reformers believe that not only has the government no right to tax the people for the benefit of private persons, but that business fostered in this artificial way has an unnatural growth. It may reach prosperity, as many of our manufacturing concerns have attained a solid basis, but the advance is through disaster, the loss of capital, the crushing out of many men who are unable to stand the ups and downs of an unnatural growth and expansion of business, and the destruction of other legitimate enterprises. Under the first laws there are commercial disasters, but such disasters in a "protected" country are not only the more numerous, but the more difficult to recover from.

It is for the sake of preventing the crushing out of well-established industries, as well as of those that are still struggling for existence, that revenue reformers are desirous of reaching their end slowly. They are not dealing with an original question, but they are applying a remedy to a body politic that is, economically, very ill. They believe that a wholesome system of taxation confines the revenue to the needs of the government. They are strongly opposed to a system that puts a tax on foreign goods into the treasury, and at the same time permits a private citizen to levy another tax for his own benefit on his own product. They propose to give the country such a system in the end; but they propose to reach that end conservatively and with the least possible injury to existing interests.

The revenue reformers begin by asserting that the existing rates of duty are too high; not merely that they are protective. They say that many of them are prohibitory, so that no revenue is derived from them. The protectionists will answer, if they are honest in their assertions in favor of their system, that they are glad of this; that they want

foreign goods kept out of our markets entirely, so that our own citizens may make whatever we need, no matter what may be the cost to the consumer.

For example: Suppose that A and B are alone in the world. A makes clothes rapidly and well, and B is a farmer and produces food. Naturally, one would suppose that A would make B's clothes and take B's food products in exchange, but they are too wise to obey the laws of nature, so they adopt the policy of protection. A proposes to raise all he wants to eat himself as well as to make all the clothes he wears, and B insists on doing likewise. Now if A made clothes for both, and B raised food for both, each man would work a rational number of hours every day, and the two might have a good deal of leisure which they might spend in pleasure or intellectual improvement, as they chose. This leisure is wealth; for what more can wealth bring to its possessors? As it is, however, they have enslaved themselves. When they get through their work in the fields, they cannot sit down to rest; they must go to work to make clothes for themselves.

But to return. The revenue reformers say that the rates of the present tariff are too high for any purpose, protective or otherwise. They say that the tax levied by the government for the benefit of manufacturers gives to some of the favored class an unduly great profit. They are assisted by the law not only to exist, but to attain an enormous prosperity at the expense of people who do not desire any benefit from their existence, but upon whom they rest as a burden.

This is the immediate proposition before the country. The question is not, Shall we have free trade? No one wants that now or ever, if by free trade is meant the repeal of all customs duties. The question is, Shall we begin the work of establishing a rational system of taxation, by cutting down the rates that are confessed, even by protectionists, to

be too high. The manufacturers themselves confessed it in 1868, through their spokesman in the House of Representatives, Mr. N. P. Banks. The senators and representatives who are now in favor of maintaining the present rates confessed it in 1870 in Congress. The whole body of protectionists confessed it when they voted for the bill creating a tariff commission. And that commission confessed it in the following language:—

“Early in its deliberations the commission became convinced that a substantial reduction of tariff duties is demanded, not by a mere indiscriminate popular clamor, but by the best conservative opinion of the country, including that which has in former times been most strenuous for the preservation of our national industrial defences. . . .

“The average reduction in rates, including that from the enlargement of the free list and the abolition of the duties on charges and commissions, at which the commission has arrived, is not less, on the average, than 20 per cent, and it is the opinion of the commission that the reduction will reach 25 per cent.”

The revenue reformers say that the revision was a sham. In his closing speech on the motion to strike out the enacting clause of his bill, Mr. Morrison exposed the jugglery of the report of the conference committee, which was passed by both Houses of Congress, and is now the law. He said:—

“Out of one of the rates fixed or clauses made in the last tariff bill by the gentleman from Ohio and his associates, experts who have made all the tariffs since 1860, I am told 15,000 protests have already come and 15,000 lawsuits may follow. So it would appear that there is something defective, more or less imperfect, in all tariff bills. And dread confusion haunts the gentleman from Ohio because the duty on grindstones is to be lowered. He came confused from yonder conference-room, where he was a member of the conference committee, to the confusion of all taxpayers. The office and duty of a conference is to adjust the difference between the two disagreeing Houses. This House had decided that bar-iron of the middle class was to pay \$20 a ton; the Senate that it was to pay \$20.16 a ton. The gentlemen of

the conference, including the gentleman from Ohio, reconciled this difference—how? By raising bar-iron above both House and Senate to \$22.40 a ton. The Tariff Commission, at the end of its deliberations, reported that the tariff on iron ore should be 50 cents a ton. The Senate said that it should be 50 cents a ton. The House said it should be 50 cents a ton. Gentlemen of the conference committee, including the gentleman from Ohio, neither indolent nor wanting in capacity of a kind, reconciled the agreement of the House, Senate, and Tariff Commission into a disagreement, where there was none, and made the duty on ore 75 cents a ton. The gentlemen of the conference did a similar service for the great corporation of corporations, the Iron and Steel Association, by giving it a tax of \$17 on steel rails, which the House fixed at \$15 and the Senate at \$15.68 per ton. In all this there is no confession of want of capacity, but an exhibition of it which commends itself to the gentleman from Ohio. It is such an exhibition of talent and special fitness as in Ohio would be a breach of public trust and drive him from an honorable profession. Here it is statesmanship. It gives bounty to corporations and royalty to mine-owners. It adds to the burdens of the people, who are mocked with the pretence that it protects labor. The more of such evidences of capacity as were exhibited in that conference, of which the gentleman from Ohio was a distinguished member, that might be shown in this horizontal bill, the more infamous it would be, and the less support it ought to have. These gentlemen who come here from Iowa, Wisconsin, and Michigan, pledged to abate something from taxes taken from the people to go into a treasury already full, come as the representatives of a people who believe the Tariff Commission scheme was a sham and a cheat, devised to maintain and not to reduce taxes. And now they are here, and the chief financial officer of the government tells them (whether it is a cheat or not) that this scheme has not reduced taxes as it was promised they should be reduced—as all advocates of the commission plan promised they should be reduced.

The average rate of duty under the old law was 40.52 per cent; under the present law it is about 38.14. If the revised law had really reduced the rates as much as the commission recommended, the average rate would now be 30.39. This was the rate admitted to be just by every protectionist who favored the commission's report, and not one friend of the protected interests was heard to protest against the

measure. It would be interesting to know how many men in the country, and who, were acquainted with the fact that the revised law would not reduce taxation. This, however, is now certain, that when they know that taxation has not been reduced to the point which they admitted to be just, they refuse to consent to a further reduction which would make taxation more nearly what was promised in the names both of the Tariff Commission and of the Ways and Means bills in the Forty-seventh Congress. For it should be recollected that the Ways and Means Committee of the present Congress reported a bill to the House of Representatives which proposed to carry out the promises made in the last Congress; but the average rate of the Morrison bill was 31.17 per cent, almost one per cent more than the rate admitted to be high enough by the protectionists only a year before.

The revenue reformers say that when a man buys a dollar's worth of cotton goods, 40 to 56 cents of it is too much to pay to the government; that when a woman buys woollen stuff for a dress, 68 cents is too much to give the government; that 50 cents is too much to pay on every dollar's worth of sugar that goes into family consumption. The protectionists insist that these high taxes shall be maintained. This is the present status of the controversy. The revenue reformers say that the government ought to begin the reduction of tariff taxation; the protectionists say that the present taxes ought to be maintained.

III.

SOME OF THE EVILS OF THE PRESENT TARIFF

THE present tariff law was enacted March 3, 1883. The pretence was that it was not only a revision of the law as it then stood, but a reform in the direction of lower duties. This is not true, as the statement of a few facts will show. In the first place, as already shown, the average rate of duty collected under the old law was 40.52 per cent; under the present law it is 38.14 per cent.

Most of the articles consumed by those who are not rich are taxed more heavily under the new than under the old law. And some of this increased taxation was very cunningly devised.

For example: The rate on the coarsest kinds of plain cottons, worth a little more than 12 cents a yard, was reduced from 39.91 per cent to 19.95 per cent; on these goods bleached, the rate was reduced from 48.81 to 31.07 per cent; if dyed, colored, stained, painted, or printed, the rate was reduced from 47.24 to 28.05. These prints are worth about 16 cents a square yard. On prints of a little higher quality, worth a little more than 16 cents, the rate was reduced from 56.19 per cent to 30.88 per cent. Of the prints of the first kind there were imported in 1883 only 390,906 square yards. Most of the goods of this quality which are consumed here are manufactured in this country. But when cotton goods that make the best wear of the poorer people are reached, there is an increase of rate from 35 to 40 per cent. Of prints that are worth more than 20 cents a square yard, there were imported, in 1883, 4,841,664 yards. All the laces that are used by people who are not rich are of cotton, and on these and embroideries, insertings, trimmings,

lace window curtains, cotton damask, hemmed handkerchiefs, and cotton velvet, the rate was increased by the revised law from 35 to 40 per cent. By a change in the schedules which may or may not have been understood by the manufacturers, the duties on certain grades of cotton goods were greatly increased from the old ad valorem rate of 35 per cent. The rate on black crinoline lining, for example, was increased to an average of 111 per cent; and that on tarlatans to an average of 103 per cent. On one grade of linings the rate is as high as 148 per cent, and on one grade of tarlatan it reaches 153 per cent.

The rate on dress goods made in part of wool, valued at more than 20 cents a square yard, was reduced from 8 cents and 40 per cent to 7 cents and 40 per cent; this changed the ad valorem rate from 68.45 to 64.89 per cent. Therefore if the wife of a farmer or working-man now desires to purchase a dress of stuff partly wool, worth in England 25 cents a yard, she must pay in this country 42 cents; the 17 cents going as a tax to the government or as a bounty to the manufacturer. But it is well known that the best wear of people who are not rich is "all-wool" goods. The rate of duty on these goods was increased by the revision from 8 cents and 40 per cent to 9 cents and 40 per cent. No one can tell how much this increased the ad valorem rate, for it stopped importations. A person who buys American all-wool dress goods, like those which could be bought abroad for 40 cents a yard, must pay at least 62 cents a yard for them in this country.

In the metal schedule there are many curiosities. Cast-iron vessels, plates, stove plates, andirons, sadirons, tailors' irons, hatters' irons, and castings of iron, used to pay a rate of duty of 32.64 per cent; under the revised and reformed law the rate is 104.01 per cent.

The crockery trade sells painted and printed earthen and

stone ware, which is very cheap, and is used by the poorest people in the country. Some of this crockery is so cheap that it is made for the southern negro trade. Every one has seen the children's plates, with an alphabet around the rim, and a picture in the centre. This picture is first printed and then painted, the painting being very rude, and done in the crudest way by women and children. Forty per cent on this class of work was not enough for these revisers, who thought that the conservative opinion of the country demanded lower duties; so they increased the rate to 60 per cent, and classified this coarse ware with china, porcelain, parian and bisque, that was ornamented. Plain china, porcelain, parian, and bisque, which can be afforded by the rich only, pays a lower duty and bounty than the stone cups of the poor, and even plain white stone ware pays as much as plain white porcelain. And yet the country is assured by men who are generally considered honest that the present tariff is for the benefit of American working-men.

So much for the pretended reform made by the revision. There are other features of the law that are interesting to people who work with their hands for a living. Ready-made clothing pays 40 cents a pound and 35 per cent. A rich man sends to a London tailor for clothes, for which the charge is \$50; a poor man buys in this country a suit which he could buy abroad for \$20. Assuming that each suit weighs five pounds, the rich man pays the government a tax of 39 per cent, while the poor man pays the American manufacturer a bounty of 45 per cent, and he pays \$29 for what ought to have cost him \$20. If a poor man buys a coarse woollen blanket, worth 54 cents per pound, he pays 60 per cent to the government or the manufacturer. If a rich man buys a blanket worth \$1.50 a pound, he pays no more tax or bounty than the poor man. The average rate on the low-

priced flannels, blankets, wool hats, etc., is 68.77 per cent; on the highest-priced, 62.08.

A drugget or blocking pays a duty of 72.18 per cent; but an Axminster carpet pays only 55.52 per cent.

Halter-chains, trace-chains, and fence-chains, that are used by the farmers, and are worth about five cents a pound, pay about 47.14 per cent, while finer chains pay 45.41. The finest salt pays less than 40 per cent, while the coarse salt used for preserving meats, feeding cattle, etc., pays a little less than 64½ per cent.

Sugar, which must be used by every one, pays a duty of from 50 to 68.20 per cent; and this highest duty is on a grade of sugar that can be consumed without refining, and the use of which, were the duty lower, might therefore save the poorer people of the country an immense sum of money every year.

But the protectionists object to reducing the rates of duty. They say that to do so would lower wages. In due time this will be demonstrated to be arrant nonsense or deliberate falsehood. Protection to American industries was first granted for the purpose of giving a profit to the capitalists who invested their money in manufacturing enterprises. Wages must be higher in this country than in England so long as agricultural land is as cheap as it is, and agricultural labor as remunerative. The protectionists threaten the working-men with reduced wages if they vote to relieve themselves from burdensome taxes; but, while they are making their threats, they do lower wages, even under a protective system, with whose generous bounty they sometimes profess themselves satisfied. There is no better protected industry than that of iron and steel, and yet its revived prosperity, which began in 1879 with the general financial revival of the country, lasted only three years. The report of the American Iron and Steel Asso-

ciation shows that nearly all the mills closed in 1882, and that during the four months when they were idle the operatives were the losers. The prices of iron and steel did not advance because there was enough material on hand to supply the demand. This means that under the artificial stimulus of protection the mills produced more than was needed. It was simply a new illustration of a well-established fact. Protection always leads to over-production, and when that happens the capitalists stop expenses, sell their surplus, and meanwhile the operatives starve or get into debt. Judging from the reports that come from the iron regions at this writing, the iron and steel industry is in as bad condition as it was two summers ago, when nearly all the rolling-mills of Pittsburg and the West were closed for four months.

The statistics relative to hoop iron, bar iron, iron rails, sugar, and molasses, for 1880, serve admirably to show the workings of the present tariff, and the price paid by the American people to sustain what protectionists call the "American system." In 1880 there were produced in this country, hoop (band and scroll) iron to the value of \$6,094,484; and there was imported \$720,903.82 worth. The domestic product cost \$62.67 a ton; the imported article cost \$45.56. The rate of duty was \$31.66. The cost of the foreign iron, with freight added, would have been \$48.06, so that the consumer was obliged to pay \$14.61 bounty on every ton of American hoop iron used by him; and the total bounty paid by American consumers amounted to \$1,414,876.22. From these figures it will be seen that for every dollar paid to the treasury as duty, the American manufacturer received \$2.82 bounty.

In the same year the production of bar iron in this country amounted to \$35,302,431; the imports to \$3,111,218.43. The domestic article was valued at \$53.33 a ton,

the foreign at \$43.33. Duty was \$22.86, and the cost per ton of foreign iron, with freight added, \$45.83. The bounty of the manufacturer was \$7.40 per ton, and the bounty paid by consumers on domestic production was to duty received by the Treasury as \$2.99 is to \$1.

The domestic production of iron rails was \$20,978,637; imports, \$1,635,980; cost, \$44.93 and \$31.10; duty, \$15.68; cost of foreign rails, freight added, \$33.60; bounty, \$11.33; ratio of bounty to duty, \$6.41 to \$1.

The foreign sugar imported into this country in 1880 was worth \$68,052,639.55; the average duty per pound was 2.44 cents. The value of the domestic product was \$13,191,200.02. The value of the imported molasses was \$8,978,008.50; of the domestic product, \$3,528,770.51. On the total importation of sugar and molasses, \$77,030,648.05; the duty was \$42,203,915.49; while the bounty on the domestic product was \$5,616,503.96. For \$94,000,000 worth of sugar and molasses the people of the country paid \$142,000,000.

These are some of the enormities of the present tariff. The man who consumes the products of our own mills, or who buys the imported products of foreign mills, pays for all his cottons an average of 38.29 per cent more than the goods are worth; on his wife's woollen shawl, 65.83 per cent; on his blankets, wool hats, flannels, knit goods, etc., about 67 per cent; on his carpets, from 40 to 70 per cent; for all the sugar his family consumes, about 50 per cent; for the iron vessels of his kitchen, about 104 per cent; for his knives and forks, 35 per cent; for needles, 25 per cent; for the pens with which he writes, 50 per cent; for his tin utensils, 45 per cent; for his wooden furniture, 35 per cent; for his other woodenware, the same; for his brown earthenware, 25 per cent; for his white stoneware, 55 per cent; for the slate and pencils of his children, 30 per cent; for preserve

jars, 35 per cent; for his common window-glass, from 66 to 74 per cent; for his provisions, an average of 21 per cent.

Suppose a man in moderate means wants to furnish a house. How much, under the present tariff law, must he pay for \$1,000 worth of furniture? Here is a table showing, in the first column of figures, the worth, and in the second the price to be paid after the tariff has added the duty, or bounty:—

| | Worth. | Price. |
|--|------------------|------------------|
| Wooden Furniture | \$700.00 | \$945.00 |
| Carpets | 200.00 | 298.83 |
| (\$125 Tapestry Brussels and \$75 two-ply ingrain) | | |
| White Stoneware | 40.00 | 62.00 |
| Brown Earthenware | 10.00 | 12.50 |
| Iron Kitchenware | 15.00 | 30.60 |
| Tin “ “ | 15.00 | 21.75 |
| Woodenware | 10.00 | 13.50 |
| Cutlery | 10.00 | 13.50 |
| | <hr/> \$1,000.00 | <hr/> \$1,397.68 |

A bounty of \$398 is paid by the consumer, and the same fate follows him through life. He pays more for all that goes to the feeding and clothing of his family. For every \$100 worth of cottons, he pays, on an average, \$138.29; for a \$10 woollen shawl he pays \$16.58; for \$20 worth of flannels he pays about \$33.40; \$10 worth of sugar costs him \$15, and so on through the long list of taxed articles. When he is born his sponsors pay \$14 for his \$10 silver mug, and when he dies his executors take from his widow \$95 to pay for a \$50 monument.

The protectionists say that they will not remedy these evils; that they will not consent to any reduction whatever. In the last session of Congress they took the position that they would not debate the question, they would not consider it; and later, when they were forced to consider it,

they refused to try, by offering amendments, to take any steps to make a good bill. The refusal of the protectionists to vote for the Morrison bill is conclusive evidence that they propose to do nothing for the relief of the consumers. They refused the most moderate reductions,—to cut down the duty on cotton and cotton goods from 38.29 per cent to 31.50; on hemp, jute, and flax goods, from 28.04 to 24.61; on wool and woollens, from 57.71 to 46.43; on metals, from 35.19 to 29.81; on books, papers, etc., from 21.67 to 18.51; on sugar and molasses, from 43.59 to 34.87; on tobacco, from 72.70 to 58.16; on wood and woodenware, from 33.98 to 29.35; on earthenware and glassware, from 53.16 to 44.12; on provisions, from 24.17 to 21.01; on sundries, from 25.46 to 22.60; on chemical products, from 37.11 to 31.40.

If they will not make such moderate reductions of taxes, what is to be expected from them? But at any rate the country is afforded a view of the standard of taxation that is deemed necessary for the fostering of these aged infant industries. The conclusion that must be reached is that the protectionists propose to keep all the benefits they have received, and to secure all other possible advantages. The tax was first granted to meet the necessities of the war; it has been preserved because it is said to be needful to tax the people for the benefit of a few manufacturers; and now that the government's surplus reaches to the neighborhood of \$100,000,000, the protectionists refuse to yield a cent of their enormous bounty.

IV.

WHAT PROTECTION MEANS TO THE FARMER.

OF the 17,392,099 persons engaged in wealth-producing occupations in 1880, 7,670,493 were agriculturists, farmers, and farm laborers. Almost half the working population of the country, therefore, drew their sustenance from the soil. The amount of capital in farms, agricultural implements, and live-stock is very large. In 1880 it was \$12,104,081,440, while the capital invested in manufactures was only \$2,790,272,606. What does protection do for the farmer?

In the first place it increases the cost of everything he is obliged to buy. How much more his clothing, his groceries, his household furniture and utensils cost, has already been shown. His agricultural implements cost him at least half as much again as they ought, because of the duties which the manufacturers are obliged to pay. The tariff adds 25 per cent to the cost of transporting his products to market. In return he receives a duty that amounts to about 25 per cent on his leading staples, and which he does not need.

The American farmer is the one producer in this country who is compelled to sell in a foreign market. Wheat is so largely produced that our own population cannot consume it. The surplus of the wheat product in 1883 was more than 100,000,000 bushels. This surplus is sold to Europe, so that American wheat competes with the wheat of the world. Its price is regulated by the markets of Liverpool. In determining the price at which he will sell his goods, the manufacturer can add to the cost of foreign-made goods the freight charge across the ocean, and the duty; but the farmer must deduct freight charges, and must meet the European wheat growers on their own ground. The result

is that the price paid for wheat in Liverpool determines the price paid in this country. The 20 cents a bushel duty, therefore, does no good; it is never collected by the farmer as a bounty. This truth about wheat comes home to the American farmer now as it has never come before. The increase in the wheat product of India has become astonishing. Last year 40,000,000 of bushels of wheat were exported from India. The result is that the exportation of American cereals has greatly decreased, and the price of American wheat has fallen below 80 cents a bushel.

Now the question which the American farmer has to answer is, Can he go on paying taxes for the benefit of his neighbor, the manufacturer, while he is forced to sell in the cheapest market of the world? Can he afford to burn his candle at both ends? What he buys costs him more than similar articles cost in Europe, and yet he receives per bushel just what his English competitor receives, and just what is received by his Indian competitor, whose clothes consist of a single yard of cotton. The average farmer is not a rich man. As the value of the farm products of the United States in 1880 was \$2,213,402,504, while the persons engaged in farm labor numbered 7,670,493, it follows that the average income of farmers and farm laborers was \$289 a year. To the ordinary cost of living must be added the \$450,000,000 which the farmers pay annually in taxes and bounties for the maintenance of the business of their manufacturing neighbors. Can the farmers afford the luxury?

The pretence of the protectionists is that the establishment of manufactures furnishes a home market. On the theory of the protectionists there is only one kind of a home market that is worth anything. It is a market from which all foreign competition is excluded. That is the kind of home market the protected manufacturers desire for themselves. In their speeches at the last session of Congress,

they said that they favored the continuance of the present high rate of taxation in order that our people might be supplied with everything of American manufacture. The main object of the protectionists of the present day is to prohibit the importation of foreign goods. In other words, the leaders of the protectionists hold that it is right for the government to tax the people in order to prevent revenue. Therefore, when a perfect tariff law shall be made, the large revenue now collected by the custom houses will go entirely into the pockets of the manufacturers, and the government must be supported by direct taxation; internal revenue taxes must be increased rather than diminished.

But the American farmer cannot have this kind of a home market. He produces too much for the country, and, in the natural order of things, production must increase rather than diminish. The manufacturers' promise of supplying an adequate home market has not been kept. Half the people of the country pay every year \$450,000,000 for a market which they do not get, and for higher prices which they do not realize. How much did this market demand in 1880, the census year? The people engaged in manufacturing, with all those employed in mechanic and mining pursuits added, consumed only \$335,000,000 worth, while the producers were obliged to sell abroad \$685,961,091 worth. The only result of the protective system to the farmer is to increase the cost of living.

Moreover, statistics show that the proportion of our crops consumed at home has been greater under low tariffs than under high tariffs. Under the low tariff of 1846, in the census year 1850, the total cereal production was 867,453,967 bushels, of which we consumed at home 851,502,312 bushels, and exported 15,951,655, or 1.9 per cent. In 1860, under the still lower tariff of 1857, the production was 1,239,039,945 bushels, of which the home market purchased 1,216,-

084,810 bushels, and 22,955,135 bushels, or 1.8 per cent, were exported. In 1870, under a high protective tariff, the total production was 1,629,027,600 bushels; 1,571,737,179 bushels were consumed in this country, and 57,290,521 bushels, or 3.50 per cent, were sent abroad. From 1850 to 1860 the production of grain increased 45.1 per cent, while the exports increased 43.9 per cent, while under a high tariff law, from 1860 to 1870, production increased 31.4 per cent, while the exports increased 149.50 per cent.

More than 80 per cent of the exports of this country are of agricultural products. There is no complaint made by protectionists because the farmers are obliged to compete with the freed serfs of Russia or the laborers of India. On the contrary, our farmers are asked to go on competing, and at the same time to put their hands in their pockets and pay a bounty to the manufacturers, in order that their brother working-men who prefer to labor in the mills may not be obliged to compete with the British operatives. It is not true that the wages of our own operatives will ever be governed by the wages paid in Great Britain; nor is it true that the protectionists desire high tariff taxes for the laborer, for they are looking entirely after the interests of capital. But, leaving all that aside for the time, is it fair to ask the American farmer to compete with lately emancipated serfs and Indian ryots and half-naked Africans, and at the same time to tax himself to prevent the operatives of mills from coming into competition with the skilled laborers of Great Britain?

It has been shown that the home market which the protectionists have promised has not been furnished by the establishment of manufactures; that out of their slender incomes the farmers of the country are forced to contribute to the manufacturers \$450,000,000 annually. What is the result, to the manufacturers, of this contribution, and what to the

farmers? In 1880 the capital invested in manufactures was \$2,790,272,606; the product was \$5,369,579,191. Deducting from this the value of materials used and the wages paid, we have a gross profit of \$1,024,801,847, or between 36 and 37 per cent. It is estimated that the gross profits of the farmers is \$1,436,944,067, which is between 11 and 12 per cent on the capital, \$12,104,081,430, invested in the business of agriculture. It is strange that a business paying the small return should be taxed to sustain enterprises whose profits exceed the profits of its benefactor three times. The American farmer is the victim of a bad system, and a deluded victim whenever he votes for a protectionist for Congress.

V.

WHAT PROTECTION MEANS TO THE WORKING-MAN.

Just now it is the burden of the protection song that American labor would be degraded if the tariff were reduced. On the contrary the laborers of the country would be benefited. It is perfectly clear that taxing working-men does not benefit them unless at the same time their incomes are increased more than enough to make up the tax. The average tax imposed by the existing tariff is 39 per cent, but, as has been shown, the working-man pays 50 per cent tax on his sugar, over 60 per cent on some of his woollens, about 40 per cent on his cottons, 55 per cent on his ready-made clothes, and so on. Is there any return made for this by the tariff? Are his wages increased more than the cost of living? If they are not, then protection is an injury to the working-man.

In the first place the large majority of working-men do not

labor for protected industries. The only man who can give larger wages by reason of the tariff is a manufacturer who receives a bounty from the tax imposed upon the consumers. The fund from which wages are paid must be increased if wages themselves are to be greater. This increase is given up to the manufacturer. It has been shown that the farmer suffers from the exactions of the tariff. All that he buys is dearer for it, and all that he sells is as cheap as can be. The laborer for the farmer must suffer with his employer, and he suffers so much that the average annual income of all workers in agriculture, including employer and working-man, is only \$289. Of course the farm laborer gets nothing but increased taxation from the tariff. He pays more than he ought for his clothes, for his boots and shoes, for his blankets, for his hats, for his provisions, for his rent, for everything which he must have to sustain life; and as his employer's income is decreased by his share of the \$450,000,000 annually paid by the farmers to support their richer manufacturing neighbors, he is obliged to sustain, in reduced wages, even more than his own share of the burdens of tariff taxation.

It is equally true that the working-men in the mechanical industries receive no benefit from the tariff. The protectionist who would assert that a carpenter or a mason receives more wages because the cotton, woollen, and iron manufacturers are the recipients of a popular bounty would indeed be an enthusiast. The employer of the carpenter and mason is a builder, and the price of all the material which he purchases is increased by the protective tariff. He receives no bounty which he can divide with his laborers. It would be interesting to find out from the working-men themselves what they think they gain by reason of the taxes imposed upon everything they buy. Is there one of them who supposes that he is benefited by paying to capitalists a bounty

of about 40 per cent? What gains the man who carries a hod, or works on the streets, or drives a carriage, or takes care of horses, or writes books, or for the newspapers, or paints pictures, or sets type, or runs a printing press, or drives a locomotive, or is a conductor or a brakeman on a railroad, or practises law, or preaches sermons, or heals bodies, or digs ditches, or belongs in any way to the vast brotherhood of labor that works outside of mills and factories? Can any one of the men who work in this way say how his condition is improved by a law which compels him to pay \$29 for a \$20 coat; \$1.50 for \$1.00 worth of sugar; \$16.50 for a \$10.00 shawl?

How is it with the men who work in mills and factories? Mr. J. E. Thorold Rogers has recently published a book entitled "Six Centuries of Work and Wages." Mr. Rogers is a member of the British Parliament, who has given much study to what we call the labor problem, and he is one of the best and wisest of friends of the working-men of England, a firm believer in the good accomplished through a union of laborers, and a staunch supporter of Mr. Joseph Arch in his work in behalf of the agricultural laborers of Great Britain. Mr. Rogers says this, in speaking of his own country:—

"At present I believe that the workmen of this country, speaking of them in a mass, are better paid than those of any other settled and fully peopled community, if one takes into account not merely the money wages which they earn, but the power which their wages have over commodities."

And the increase of wages has come entirely since the establishment of free trade in England.

Another thing which Mr. Rogers says is worthy of careful thought. It is this:—

"Political economy has indeed taught one lesson of enormous value, though the truth has only been accepted in its fulness among

ourselves. It is that any hindrance put by law or custom in the purchaser's market is a wrong to every one — to the community first, to the laborer next, to the capitalist employer last. It is due to the facts that the injury comes last to the capitalist, and that before the mischief is worked out such a person is able to gain abnormal profits by the losses of others; and that they who get those profits are an organization; the consumers and the laborers, as a rule, are only a mob; that protectionist laws, as they are called, exist for a day."

Unless the operatives in mills are benefited by a protective tariff no class of working-men can be helped. Even a protectionist will admit the soundness of this position. But to start with, as Mr. Rogers shows, the experience of Great Britain is that the condition of the working-men was bettered by the abandonment of protection. What might have been expected has naturally followed. As soon as the government ceased taxing the earner of wages in the interest of the earner of interest the former's condition was improved.

Robert Giffen, LL.D., is president of the London Statistic Society, which was organized for the purpose of obtaining information concerning the progress of the working-classes. In his inaugural address, delivered last November, Dr. Giffen shows that in the last fifty years the wages of British operatives have increased wonderfully. For example: the wages of weavers have increased 150 per cent; of children who are employed in spinning, 160 per cent; of pattern weavers, 55 per cent. Dr. Giffen thinks that the figures do not fully indicate the increase that has actually occurred. At the same time, while the wages of operatives have grown greater, the wages of seamen have increased from 25 to 69 per cent. The wages of agricultural laborers have also increased about 60 per cent, while the increase in wages in Ireland has been very marked.

At the same time the hours of labor have been diminished very nearly 20 per cent, so that the workman gets from 50 to 100 per cent more money for 20 per cent less work. At

the same time, the price of the necessities of life has decreased. Although meat and house-rent are dearer — the latter largely because there has been much improvement in the dwelling-houses of the British workmen — the aggregate of price has diminished, largely owing to the cheapness of wheat. The improvement in the condition of the British workman has been so great that the death rate has decreased; pauperism has diminished; savings have wonderfully increased, and the schools have multiplied.

Dr. Giffen states the method by which nature works, under a system of taxation such as the revenue reformers propose, so well, that it will be best to quote exactly what he says. He shows that nature, and not a protective tariff, distributes the rewards of toil. He says: —

“It has been shown directly, I believe, that, while the individual incomes of the working-classes have largely increased, the prices of their main articles of consumption have rather declined; and the inference as to their being much better off, which would be drawn from these facts, is fully supported by statistics showing a decline in the rate of mortality, an increase of the consumption of articles in general use, an improvement in general education, a diminution of crime and pauperism, a vast increase of the number of depositors in savings banks, and other evidences of general well-being. Finally, the increase of the return to capital has not been in any way in proportion, the yield in the same amount of capital being less than it was, and the capital itself being more diffused, while the remuneration of labor has enormously increased. The facts are what we should have expected from the conditions of production in recent years. Inventions having been multiplied, and production having been increasingly efficient, while capital has been accumulated rapidly, it is the wages-receivers who must have the benefit. The competition of capital keeps profits down to the lowest point, and workmen consequently get for themselves nearly the whole product of the aggregate industry of the country. It is interesting, nevertheless, to find the facts correspond with what theory should lead us to anticipate.”

According to statistics furnished by our own State Department, the wages of Great Britain are much higher than

wages in the continental countries where there are protective tariffs. For example: in England, bricklayers received \$8.16 a week; in Italy, they are paid \$4.00; in Spain, \$5.25; in Germany, \$4.00; in France, \$5.00; in Belgium, \$6.00. This sufficiently illustrates the difference between these countries.

Mr. Jacob Schoenhof, a New York manufacturer, made a statement, last winter, before the Ways and Means Committee of the House of Representatives. He showed that in the cotton factories of this country wages were about 15 per cent higher than in England, but this was made up by the longer hours of labor, and by the greater skill of the American operative. The wages in England, however, are 50 per cent higher than those in Germany, and 30 per cent above those of France, while the hours are 56 a week, against 66 and 72 in this country. In the woollen industries England pays 50 per cent more wages than Germany, and from 20 to 35 per cent more than France.

In almost every respect, the cost of living in this country is higher than in Great Britain. House-rent and board are higher, but some food supplies are cheaper. This is because much of the food of Great Britain is imported from this country, and therefore the low prices are the result of foreign competition, and must always exist, because of the wealth of our agricultural resources. If duties were lowered, and even if the protective feature of our tariff should be entirely abandoned, there would be no change in this respect, except to equalize prices, so that the farmer and his laborers, and the mechanics and operatives of towns and cities, would secure more for their earnings than they do now under protection, which means an artificial distribution of wealth.

Working-men should not be deceived by comparisons made between the working-men of one city in England and of

another in Massachusetts, — Manchester and Lowell for example. It is not ingenuous to argue, as has been argued, that because there are more savings deposited in the banks of Lowell than of Manchester, therefore the operatives of Lowell can lay aside more from their earnings than operatives similarly employed in Great Britain. The people of two cities may differ in many respects, even of two cities in one of our own States. Between Lowell and Fall River, both in the State of Massachusetts, for example, the statistics of that commonwealth show a great difference. The people of Lowell are thrifty, self-respecting, and saving, while those of Fall River are less so, according to the reports of the Massachusetts Bureau of Labor. When to the ordinary temptations of an undue proportion of drinking-shops, of ill-ventilated, unwholesome dwelling-houses, is added dear land, which precludes the possibility of a working-man saving enough to buy a house for himself and his family, it may easily be seen why the same man may change his nature if he shall be transplanted from one place to the other. An operative who may in Manchester waste the average time in drunkenness, which, according to trustworthy reports, is two days in a week, may, in the different atmosphere of Lowell, become a saver of money. In the one place, it is the thing to get drunk; in the other, it is the thing to have an account in the savings bank.

If capitalists engaged in carrying on protected manufactures are so much interested in keeping up the wages of labor, why do they import cheap labor from abroad? It is a custom in New England and in other parts of the country where the business of manufacturing is carried on, to import labor from Europe and elsewhere because it is cheaper than American labor. Only a year ago a foreign government had occasion to make strong representations to our State Department, because of the conduct of some mill-

owners in New Hampshire towards subjects of Sweden. These Swedes had been brought here at the expense of the mill-owners, and had been supplied with household furniture and provisions from a store connected with the mill. The operatives received small wages, and when they were in debt to the company they were in its power. When there was danger that their earnings would pay their debts, the mill would stop running, and the debts would be given a chance to grow. In this way the Swedes were kept in slavery. When better employment and higher wages were offered them in the neighboring State of Massachusetts, and they attempted to take advantage of the opportunity to better their lot, they were arrested on the ground that they were about to quit the State of New Hampshire for the purpose of defrauding their creditors.

This is not a unique case. The manufacturers, protected or not, seek to secure their working-men for low wages, because low wages is one of the elements that go to the making of large profits. Protectionists say that they desire a high tariff in order that the difference between the high wages of this country and the low wages paid by their foreign competitors may be made up. But as a matter of fact they receive much more than that. At least they do not begin to pay to their laborers what they receive from the taxpayers in the way of bounty, and in very many instances the manufacturer receives in bounty more than the whole cost of his wages.

Speaker Carlisle figures out, from returns of the census of 1880, that it requires two tons of ore to make one ton of pig iron, and that the cost of labor in this quantity of ore is \$2.70, and in making pig iron is \$3.35 a ton. It takes 1.3 tons of pig iron to make one ton of bar iron, the total cost of labor in the pig being \$4.35. According to the testimony of persons engaged in the business, the cost of labor in making

one ton of merchant bar iron was, in 1880, \$13. Mr. Carlisle, therefore, formulated this statement:—

| | |
|--|----------------|
| Cost of labor in 2 tons iron ore | \$2.70 |
| “ “ 1 ton pig iron | 4.35 |
| “ “ 1 ton bar iron | 13.00 |
| Total cost of labor | <u>\$20.05</u> |

But the duty on merchant bar iron was \$33.60 per ton, “or \$13.55 more than enough to pay for all the labor in its production from the time the crude material leaves the earth until it is sent from the mill as a finished article. And besides this,” said Mr. Carlisle, in his speech of March 28 and 29, 1882, “there is a duty of 20 per cent on the ore equal to \$1.10 per two tons, and a duty of \$7 per ton on the pig, making the aggregate duty upon all these forms of product \$43.80.”

A very interesting and important table was prepared by the Hon. Thomas J. Wood, of Indiana, and used by him in the debate on the Morrison tariff bill. This table showed that the value of the product of all mechanical and manufacturing industries in the census year was \$5,369,579,191. The amount paid for labor in the production of this value was \$947,953,795. The percentage of value paid for labor was 17.7; but the manufacturers received from the taxpayers a bounty of 40 per cent, so that there was an excess of tariff over the cost of labor of 22.3 per cent. Mr. Wood’s table will be found in full in the Appendix, but a few extracts showing the excess of bounty over the entire cost of labor will illustrate the important fact that the taxpayers of this country pay to the protected manufactures all the wages, interest, and insurance that they are obliged to expend. The following list shows the excesses of tariff duties over cost of labor:—

| | | |
|--|--------------|-------|
| Agricultural implements | 12.6 | p. c. |
| Bags, other than paper | 32.0 | " |
| Leather belting and hose | 20.7 | " |
| Linen " " | 20.1 | " |
| Rubber " " | 17.9 | " |
| Rag carpets | 17.9 | " |
| Carpets, other than rag | 28.28 | " |
| Clothing, men's, | | |
| cotton | 13.1 | " |
| woollen | 38.1 | " |
| linen | 18.1 | " |
| silk | 28.1 | " |
| women's, same. | | |
| Cotton goods | 16.7 | " |
| thread | 28.6 | " |
| Cotton ties | 20.5 | " |
| Drugs and chemicals | 26.2 | " |
| Food preparations | 7.2 | " |
| Fruit-jar trimmings | 8.5 and 23.5 | " |
| Furnishing goods. Silk | 27 | " |
| Woollen | 37 | " |
| Linen | 17 | " |
| Cotton | 12 | " |
| India rubber | 7 | " |
| Furniture, manufactured | 5 | " |
| silk reps | 20 | " |
| woollen reps | 25 | " |
| marble slabs | 25 | " |
| haircloths | 7 | " |
| varnish | 10 | " |
| Glass, common window | 25.1 | " |
| polished window | 18.0 | " |
| fluted, or rough plate | 7.0 | " |
| plate glass | 42.6 | " |
| silvered glass | 14.4 | " |
| cut, stained, and ornamented | 17.1 | " |
| Hand-knit goods, woollens | 24.1 | " |
| cottons | 9.1 | " |
| House-furnishing goods, | | |
| Earthenware, common | 8.7 | " |
| China, unornamented | 38.7 | " |

House-furnishing goods — *continued*.

| | | |
|--|-------------------|-------|
| China, ornamented | 43.7 | p. c. |
| Cutlery | 28.7 | " |
| Glassware | 28.7 | " |
| Willowware | 13.7 | " |
| Woodenware | 18.7 | " |
| Linens | 23.7 | " |
| Cottons | 18.7 | " |
| Metals | 28.7 | " |
| Iron and steel | 22.2 | " |
| Iron bolts, nuts, washers, and rivets | 25.3 | " |
| Iron doors and shutters | 24.1 | " |
| Iron forgings | 24.5 | " |
| Iron nails and spikes, cut and wrought | 9.4 and 49.9 | " |
| Iron pipe, wrought | 28.5 | " |
| Leather | from 4.1 to 35.8 | " |
| Linen goods | 19.4 | " |
| Liquors | from 9.2 to 79.59 | " |
| Lumber | average about 16 | " |
| Marble | from 13.4 to 58.1 | " |
| Woollen hats | 48.5 | " |
| Woollen goods | 49.5 | " |
| Worsted goods | 33.3 | " |

These facts show that the manufacturers receive too much protection if they desire only to make up the difference between wages in this country and wages abroad. They show that the taxpayers bestow upon many of them all the wages that their labor costs them, and from 8 to 50 per cent in addition. That certainly should be a profitable business which costs the owner nothing for labor, interest, or insurance.

What do these unprotected manufacturers do? It has already been stated that they import foreign labor to compete with American working-men, and keep them in slavery at that. Moreover, the testimony of Consul Shaw at Manchester is, that many operatives in British cotton mills are better paid than the men doing the same work in American mills. The reports of the Massachusetts Bureau of Labor

Statistics show a deplorable state of affairs,—small pay, all the earnings of the operatives eaten up by the mill stores, unwholesome dwellings, and overworked women and children. A cigarmaker testifies that in Pennsylvania the wages earned by men of his craft average from \$2 to \$6 a week, lower than the wages paid to Chinese laborers on the Pacific coast. Mr. John Jarrett testifies that the condition of the coal miners of Pennsylvania is miserable and pitiable. They take their lives in their hands, and yet they are paid a pittance, and their protected employers make them pay for what they buy 100 per cent more than other people pay.

The protectionists have a good deal to say about the evil of employing women and children in factories, and they profess that the benefits which they receive from a high tariff enable them to remedy this evil. With more than all their pay-roll provided by the taxpayers of the country, they ought be able to accomplish this good; but do they? Statistics show that they are as eager to obtain low-priced labor as their competitors in Europe. In cotton mills of this country there are employed girls as young as 7 or 8 years. In the potteries of Trenton we may find even children of 9 years old at work. As a rule, the women who work in the great mills of Pennsylvania labor from 7 in the morning until 6 in the evening, with an hour's intermission, and for this they receive from \$5 to \$7 a week. The mills of Philadelphia employ large numbers of women, and it is the common practice of these women to lock their children in the street while the mothers go to work at the factory. Recently, nurseries have been established where the children of factory hands can be left at a fixed charge by the day while their mothers are at work.

The picture that is presented by the honest reports that are made on labor in factories is not such as that which is

presented by the protectionists in their newspapers and their speeches in Congress. Labor suffers all the exactions that employers can make upon it; and in addition to the grinding force of competition, there must be added all the taxation which a protective tariff imposes upon every consumer, whether he is a merchant, a professional man, a laborer, or even a bounty-fed manufacturer.

The Massachusetts Report of the Statistics of Labor for 1882 shows some remarkable facts. Between 1878 and 1881 the wages of unprotected agriculture increased 14.1 per cent; of blacksmithing, 11.8 per cent; of builders' trades, 4.9 per cent; of printing, 10.2 per cent. But the wages of protected boot and shoemakers decreased 4.4 per cent; of carpet makers, 7.9 per cent. The wages of laborers in protected cotton mills increased 9.1 per cent; in glass factories, 11.6 per cent; hosiery, 13.5 per cent; machines and machinery, 22 per cent. The average increase of all industries was 6.9 per cent.

At the same time groceries advanced 9.1 per cent; provisions, 20.1 per cent; fuel, 30.1 per cent; dry goods, 9 per cent; boots fell in price 1.6 per cent; rents advanced 35.1 per cent; board, 13.7 per cent.

Mr. Wright says, "On all these items entering into the cost of living, the average increase was 21.2 per cent."

Considering all this, does the working-man think that protection is of any benefit to him? In the first place he is taxed heavily on everything which he buys. Most of the working-men of the country receive no return whatever for this increased taxation. They labor in occupations which obtain no share of the vast sum of money taken from the taxpayers for the support of the manufacturers. The wages of those who do work for manufacturers, which are increased by protection, are not increased so much as is the cost of living. Notwithstanding the fact that the protectionists

assert that they ask for high duties in order to maintain high wages, they reap the benefit of protection themselves. If they should submit to an average reduction of between 17 and 18 per cent, they would still receive from the taxpayers a bounty large enough not only to pay the difference between wages here and wages in Great Britain, but absolutely all the wages they pay; at the same time this reduction to which they refuse to consent would make wages mean more to the working-men, for the purchasing power of each dollar would be greater. The charitable intentions of the protectionists towards the working-men are not borne out by the story of labor in this country. There are, indeed, model manufacturing towns where the operatives of mills are cared for. They have good homes, good schools, libraries, and many advantages. But the coal miners of Pennsylvania, earning less than a dollar a day, and bled by the truck system; the workers in furnaces, whose wages have been cut down 20 per cent, while their employers have suffered no decrease in the bounty which the taxpayers are compelled to give them; the women of Philadelphia, earning \$5 a week for ten hours' daily toil, and leaving their children at the neighbors' or at nurseries, at a cost which must be paid from their scanty earnings, or, if the mothers cannot afford that charge, locking the children in the streets; the strikes which last for months, and which rarely attain their ends; the closing of mills made necessary by over-production; the importation of cheap foreign labor,—all these tell a story which contradicts with its terrible facts the pretended philanthropy of the protectionists.*

* In the census year the average income of hands employed in manufacturing, mechanical, and mining pursuits was \$346. Since then, according to the testimony of an expert friendly to the employers, wages have been reduced 20 per cent, so that the average income is now \$277.

One of the great evils of the system is that it increases the distance between the poor and the rich. If a manufacturer pays 15 per cent of the cost of production for labor, and receives a protection of 45 per cent, the government is helping him on the road to wealth, while it does not help his working-men to the extent of a solitary cent. The rich are helped in the increase of their riches, and the poor remain where they are. Wealth is distributed not only unequally, but artificially, and the working-man suffers while the protected manufacturer gains. Every vote cast by a laboring man for a protectionist for Congress is a vote against his own interests.

VI.

WHAT PROTECTION DOES FOR TRADE AND COMMERCE.

PROTECTION tends to destroy foreign commerce, and it restricts domestic trade. If it does not accomplish this it fails of its end. The professed purpose of those who advocate a continuance of a high tariff is the prevention of importations, in order that our people may manufacture for themselves all that is necessary for their use. The logical conclusion from this position is that a perfect tariff would prohibit importations of all manufactured articles. The cost to the consumer is a matter of indifference. Protection seeks to compel every American to wear American goods, no matter how badly they may be made or how expensive they may be.

A protectionist looks upon commerce as hostile to the best interests of the country. A hundred years ago the theory that commerce is an object of suspicion was fashionable everywhere except in Holland, and the shrewd Dutchmen

profited by the intellectual blindness of their European neighbors. To-day the old fallacy is fashionable again in the United States, and in some countries on the continent of Europe, while Great Britain wisely reaps the rewards of extended commerce.

The manufacturers of this country do not want competition. This does not mean in every instance that they are still unable to compete. In some branches of manufactures they make the best goods that are produced. There is no reason, for example, why cotton goods should be protected. The cotton is grown at our doors, whereas the English mills are obliged to import it from us, paying freight on all that they receive. Then, when their goods are made, they are compelled to pay freight back if they send them to this country. Moreover our machinery is much better than the English machinery. Is not cheaper raw material and freight money over and back across the Atlantic sufficient protection? It would be, but if protection were removed the American cotton manufacturers would have to be content with a larger market and smaller prices. Now we shall see the result of this on the cotton goods trade of the country which produces most of the raw cotton of the world. In 1881 it was estimated by the State Department that the United States produced four fifths of all the cotton of the world; and yet the value of the cotton manufactures in Great Britain was \$561,170,000, while that of the manufacturers of this country was less than half as much, \$233,280,000. Taking the figures of a pamphlet published by the State Department, while Mr. Blaine was Secretary of State, we find that the commerce of this country with the world, in cotton goods, was in a shameful condition.

Of all the cotton goods imported into the continent of Africa, and the value reached \$25,866,000, \$16,049,000 were taken from the United Kingdom, and only \$817,000 from the United States.

If this country ought to have any commerce it is certainly with the countries of our own continent, and yet even here our Chinese wall policy of protection keeps us from competing with Great Britain. In 1880 Great Britain exported to Mexico 35,008,200 yards of cotton goods, valued at \$2,406,000. In the same year the exports of this country to our nearest southern neighbor amounted to only 9,210,398 yards, valued at \$832,235. Although our manufacturers are thousands of miles nearer the Mexican market than the British manufacturers are, our plain cottons cost 6.97 cents a yard while the British sold at 6.06 cents, and our prints cost 7.84 cents, and the British prints 7.22 cents.

The showing as to the Central American trade is still worse. In 1880 the United Kingdom exported to Central America cotton goods to the value of \$2,161,000, while the exports of this country amounted to only \$77,736.

Great Britain exported to the West Indies \$9,582,000 worth of cotton goods. The French exports amounted to \$1,221,000, while those of the United States reached only the insignificant sum of \$956,802.

The prices per yard of the goods of the two countries are significant. They were as follows:—

Prices of goods exported to Central America.

| | Plain. cts. | Prints. cts. |
|------------------------------|----------------|-----------------|
| From Great Britain | 5.23 | 7.15 |
| “ United States | 6.89 | 7.14 |

And yet with this small difference in favor of the American manufacturer in the price of prints, the Central American market took \$855,000 worth of prints from Great Britain and only \$28,322 worth from the United States. The reason is plain. Great Britain's policy is to seek a foreign market, and her manufacturers, therefore, make goods that satisfy the demand.

The prices in the West Indies were as follows :—

| | Plain. cts. | Prints. cts. |
|-------------------------|----------------|-----------------|
| Great Britain | 6.72 | 7.28 |
| United States | 8.68 | 10.63 |

The following table shows the export of cotton goods to the principal South American countries :—

| | Values. | |
|------------------------------|----------------|----------------|
| | Great Britain. | United States. |
| Colombia | \$3,163,000 | \$586,692 |
| Venezuela | 1,449,000 | 149,316 |
| Brazil | 17,182,000 | 687,523 |
| Uruguay | 3,081,000 | 52,524 |
| Argentine Republic | 4,816,000 | 133,647 |
| Chili | 5,162,000 | 217,869 |

The value of the cottons sent from England to British India in 1880 was \$102,870,000, while the value of American cottons sent there was \$136,043.

Great Britain sent to China and Hong Kong cottons valued at \$29,774,000, and the United States sent \$373,568.

Japan received \$9,784,000 worth of British goods, and \$33,331 worth of American.

The trade of the two countries with Europe is shown as follows :—

| | Great Britain. | United States. |
|---------------------------|----------------|----------------|
| Denmark | \$1,871,000 | \$2,812 |
| Germany | 14,648,000 | 166,029* |
| Holland | 12,525,000 | 3,847 |
| Belgium | 5,273,000 | 12,531 |
| France | 8,615,000 | 21,507 |
| Spain | 2,281,000 | none |
| Portugal | 4,150,000 | 1,200 |
| Italy | 7,064,000 | 10,566 |
| Austria-Hungary | 936,000 | 2,650 |

* The prices of American goods were cheaper than those of British. The American goods cost 7.4 cents a yard for plain, and 9.09 cents for print. The British goods cost 8.14 and 9.22 cents.

The protectionists of the United States deliberately close the door on this important commerce, because they prefer to receive the high price of the home market to competing with the manufacturers of Great Britain, who pay more for their raw cotton, operate with not so good machinery, and who yet study the demands of the world, supply all the markets of the world, and who derive from lower prices a greater prosperity than our own manufacturers can boast. The reports of our consuls show that American cottons are better than British, and when they do enter into competition are often sold cheaper than the British cottons. But the foreign demand is only supplied by Americans when our own market is glutted. Whenever there is a large home demand our manufacturers turn their backs on the foreigners and reap for a time the high prices at home which the bounty enables them to charge. Instability is the general result of the protective system, — abnormal profits one day, and gloomy depression the next; four months running day and night, another four months of half-time, and another of strikes, lock-outs, or entire shutting down; the sale of goods at unreasonably high prices, or their exportation at rates which cannot pay.

There are not enough cotton goods manufactured by power looms to supply the wear of the world. According to our State Department, it is estimated that the Chinese alone wear out 7,300,000,000 yards of cottons annually, made on hand looms. Why not supply the enormous demand of a people whose chief clothing is of cotton, and who are at the other end of the route of the Pacific Mail Steamship Company?

The United States can compete and compete successfully with Great Britain. The difference between the cotton trade statistics of Canada and those of Mexico are very suggestive. For some reason, our manufacturers have

found it to their profit to cultivate the trade of Canada, and the result is that they exported to that country, in 1880, cotton goods to the value of \$2,766,779, while Great Britain's exports were valued at \$3,771,165, and the exports of plain goods were three times as many as those of Great Britain. The prices per yard were as follows:—

| | Plain. cts. | Print. cts. |
|-------------------------|----------------|----------------|
| Great Britain | 6.75 | 8.25 |
| United States | 6.75 | 7 |

The story of our cotton goods trade is the story of all our commerce. Contrast the export trade of Great Britain and the United States for 1881, with the following countries:—

| | Great Britain. | United States. |
|------------------------------|----------------|----------------|
| Africa | \$68,754,000 | \$4,581,924 |
| Canada | 43,583,808 | 36,704,112 |
| Mexico | 6,235,000 | 11,191,000 |
| Central America | 3,310,000 | 1,626,000 |
| Colombia | 5,220,000 | 5,383,000 |
| Venezuela | 2,123,000 | 2,770,000 |
| British Guiana | 4,200,000 | 1,723,000 |
| Dutch Guiana | 260,000 | 289,000 |
| Brazil | 33,607,000 | 9,200,000 |
| Uruguay | 6,877,000 | 1,612,000 |
| Argentine Republic | 12,103,000 | 3,121,000 |
| Chili | 12,219,000 | 1,520,000 |
| Peru | 1,847,000 | 94,000 |

Of the exports of leading manufactured articles exported to South America, Great Britain's exports amount to \$79,258,000, the exports of France to \$58,113,000, and those of the United States to \$25,220,000. Great Britain, in 1880, exported to the several countries of Europe goods of the value of \$617,576,000. The exports of France amounted to \$625,963,000, and those of the United States to \$765,701,000. Of these exports Great Britain exported only \$389,132,000 of British goods, France \$479,819,000 of

French goods, while the United States exported \$754,995,000 of American goods. But this great exportation was made up chiefly of the products of the soil. As has been shown before, it is the farmer who must stand the competition of the foreign market. In the fiscal year 1881, the total exports of this country amounted to \$883,915,947. Of this amount, \$748,536,043 was the value of the natural products, and \$135,379,904 of manufactured articles. And these were the principal items of the natural products:—

| | |
|---------------------------------|---------------|
| Bread and Breadstuffs | \$268,890,139 |
| Cotton | 247,696,746 |
| Provisions | 151,428,268 |
| | <hr/> |
| | \$668,015,153 |

Our commerce, then, is at the best not much different than it would have been had the government never taxed the farmer and the laborer to maintain the manufacturer. It is a commerce in which we exchange the products of the soil for the manufactured articles of other countries. We do not even make enough cotton goods for ourselves. In 1881 we imported \$234,962,511 of manufactured articles, and \$31,219,361 of this was the value of foreign cotton goods brought into the country, while the cottons we sent abroad were valued at only \$13,571,287.

Protection has not only failed to give the country the home market which it promised, but it has also failed to give us the diversified interests for which we pay in tariff taxes, and bounties. It does not even give us enough high-priced American fabrics, and it obstructs and has destroyed our foreign commerce. The shipping trade is ruined. In 1880 this country imported goods from Europe amounting to \$340,831,000, and only \$11,863,000 came in American vessels; of the \$754,995,000 exports, of the same year, only \$46,707,000 went in American vessels.

In 1855 there were built in this country for the foreign carrying trade 400 vessels. In 1879 only 35 were built. On the other hand, the tonnage of Great Britain engaged in the carrying trade with this country has increased, since 1857, from 950,000 tons to nearly 6,000,000 tons. In 1857, this country had more than 4,000,000 tons engaged in the foreign trade; now it has hardly 600,000 tons. Last year we paid \$120,000,000 freight money to foreign shipowners.

The protective tariff prevents trading with foreign countries; it throws obstacles in the way of American citizens who desire to engage in the business of importing goods; it has destroyed the carrying trade; it prevents the citizens of this country from earning the \$120,000,000 of freight money annually paid to foreign ships. During the last year the flag of the United States was not once seen in the Suez Canal, and it is rarely found in ports where it was once the best known ensign of the world. Can the commerce of the country afford any longer to cripple its resources and limit its field, for the sake of increasing the profits of the protected manufacturers?

VII.

WHAT A LOW TARIFF DID FOR THE COUNTRY.

BETWEEN 1846 and 1860 the country had a low tariff. Under the law of 1846 the average rate of duty was about 25 per cent, and under the act of 1857 it was about 20 per cent. There never was a period of greater prosperity in the history of the country.

In 1850 the cash value of farms was \$3,271,575,426, and in 1860 it was \$6,645,045,057, an increase of 103 per cent.

In 1870 the value of farms was \$9,262,853,861 in currency, an increase of only 39 per cent over the gold valuation of 1860. In 1880 the value of farms was \$10,197,096,766, an increase of a little more than 10 per cent over the value of 1870. From 1850 to 1860 the value of farming implements increased 63.50 per cent. In the next decade the increase was only 36 per cent in currency, while from 1870 to 1880 the increase was only 20.66 per cent.

From 1830 to 1840 the aggregate value of all real and personal property increased 40 per cent; from 1840 to 1850 37 per cent. In 1850 this aggregate value was \$7,135,780,228; in 1860 it was \$16,159,616,068, an increase of 126 per cent. In 1870 the aggregate value was \$30,068,518,507, in currency, being an apparent increase of a little more than 85 per cent. In 1860 the total State and local taxation was \$94,186,746, but in 1870 it had reached the enormous sum of \$280,591,521, an increase of 198 per cent, although the value of property had increased only 85 per cent. An examination of the report of the Superintendent of the Census for 1870 shows that the increase in the value of real and personal property from 1850 to 1860 was more than 184 per cent, instead of 126 per cent, and that instead of an increase of 85 per cent from 1860 to 1870, there was an actual decrease of more than 3 per cent. This arises from what the superintendent says was an undervaluation of property in 1860, by carelessness, of from 20 to 30 per cent, while the nominal valuation of property was increased in 1870 from 30 to 40 per cent through the effects of currency inflation and other causes. Making the necessary allowances for these sums, we have \$20,199,520,085 as the proper valuation for 1860, and \$19,544,537,030 as the true valuation for 1870. If our wealth had increased from 1860 to 1880 at the same rate as it did from 1850 to 1860, it would have reached, in 1880, \$83,000,000,000 instead of \$43,300,000,000.

There was the same wonderful increase in our manufacturing and mechanical industries. In 1850 the total value of the products of mechanical and manufacturing industries was \$1,019,106,616; in 1860 it was \$1,885,861,676, an increase of 87 per cent, although the population of the country had increased only 35.50 per cent. From 1860 to 1870 the actual increase was only 52 per cent.

The increase in the production of coal, which, according to the protection leaders, indicates better than any other single branch of industry the progress of all manufacturing enterprises, was very wonderful between 1850 and 1860. The following table shows this increase:—

| | per cent. |
|--|-----------|
| Gain in number of mines | 22.30 |
| “ “ value of yearly products | 182 |
| “ “ “ “ material used | 1017 |
| “ “ amount paid as wages | 137 |
| “ “ number of hands employed | 143.33 |
| “ “ amount of capital invested | 253 |

In Pennsylvania the capital invested in the production of coal was 331 per cent greater in 1860 than in 1850, and the value of the coal produced increased 179.90 per cent. In Maryland the increase was nearly 137 per cent; in Ohio nearly 127 per cent; in Indiana nearly 652 per cent; in Illinois it was 1708 per cent; in Iowa it was 2204 per cent; in Kentucky it was 200 per cent; and in Alabama nearly 237 per cent.

During the fiscal year 1860 our foreign trade amounted to \$687,372,176, which was \$45,000,000 greater than ever before. We built 2,265 ships and barques, between 1850 and 1860, and only 860 during the next decade, and only 608 between 1870 and 1880. Then our tonnage engaged in all trades, coasting as well as foreign, was 5,353,868 tons; now, after the expiration of twenty years, it is 4,068,035 tons.

The social and intellectual condition of the people kept pace with the material progress. Schools, churches, and libraries flourished. The product of the printing establishments of the United States increased 107.60 per cent from 1860 to 1870, while the capital invested increased during the same time, 143 per cent. Wonderful as this is, it does not tell the story of the prosperity and growth of the preceding decade under a revenue tariff. Then the products of the printing houses increased 168 per cent, while the capital invested increased 235 per cent. In New England the increased product was more than 96 per cent, and in the Middle States 139 per cent. Pennsylvania increased her product 250 per cent, and New Jersey 322 per cent.

In the eleven western States and Territories, the increase was 572 per cent. The State of New York increased 104.60 per cent, and actually turned out in 1860 more than the whole country produced in 1850.

In 1850 we had 18,417 postoffices and 178,672 miles of post routes, but in 1860 we had 28,498 post-offices and 245,594 miles of post routes, an increase of 55 per cent in the number of offices, and 35 per cent in miles of roads. In 1880, 20 years later, we had 42,989 postoffices, being an increase of only 50 per cent over the number in 1860, and 343,888 miles of post roads, being an increase of 42.50 per cent since 1860.

In the manufacture of paper the United States increased the value of its product 106.50 per cent from 1860 to 1870, while the capital invested increased 126.50 per cent, but from 1850 to 1860 the value of the product increased more than 108 per cent, and the capital invested increased nearly 180 per cent. The increase in the number of hands employed was 73.50 per cent, and in the total amount of wages paid 89 per cent. Pennsylvania alone increased her product 128 per cent.

Up to the end of the year 1850 we had constructed only 9,021 miles of railroad in this country, but at the close of 1860, we had 30,635 miles, being an increase of 239.50 per cent in ten years. At the close of the year 1870 we had 52,914 miles of railroad, being an increase of only a little more than 72 per cent over the number in 1860, notwithstanding the government had since 1860 granted millions of acres of public lands, and issued its bonds to the amount of millions of dollars to various railroad companies to aid in the construction of their lines. In 1880 we had 88,237 miles of railroad, an increase of 66.66 per cent during the decade.

The value of the output of our woollen mills from 1850 to 1860 increased nearly 42.50 per cent, while from 1870 to 1880 it increased only 22.57 per cent. The number of hands employed increased 18.50 per cent, and the total wages increased 36.80 per cent. In New England the product of the woollen mills increased 62 per cent; the increase in Rhode Island being 176 per cent; Massachusetts, 53.70 per cent; New Jersey, 21.57 per cent; Vermont, 61.39 per cent; and Maine, 83.46 per cent.

The value of the carpet manufactures increased 45.40 per cent. The increase in the number of hands employed was 8 per cent, and the increase in the total of wages paid was nearly 24 per cent. The compensation received by each hand was 15 per cent more in 1860 than in 1850. In the Middle States the value of the product increased 80.90 per cent; in Ohio, 208 per cent; in Maine, 47.30 per cent; in Massachusetts, 44.80 per cent; in New York, 32.90 per cent; and in Pennsylvania 138 per cent.

The products of the manufactures of hosiery increased 608 per cent. The Eastern States increased 481 per cent; the Middle States, 695.50 per cent; and the Western States, 445 per cent. Pennsylvania increased 276 per cent; Connecticut, 523 per cent; New Jersey, 379 per cent; Massachu-

setts, 373 per cent; Maryland, 255 per cent; Ohio, 278 per cent; and Missouri, 726 per cent.

The production of iron ore increased 79.20 per cent, while the capital invested increased 126.30 per cent. The total number of hands employed in this industry was 45 per cent greater in 1860 than in 1850, and the total amount of wages paid was nearly 57 per cent greater.

The production of pig iron increased 54 per cent in the United States. In the State of Pennsylvania it increased 82 per cent; in New Jersey, 105 per cent; in Kentucky, 27 per cent; and in New York, 53 per cent. At the same time the price of pig iron was reduced from \$23.43 in 1850 to \$21.13 in 1860.

The increase in the value of bar, sheet, and railroad iron was more than 100 per cent. The number of hands employed increased 66 per cent, and the amount of wages paid 80 per cent. In this industry Pennsylvania increased her production 106 per cent; Delaware, 230 per cent; Maryland, 104 per cent; Ohio, 173 per cent; Kentucky, 68 per cent; and Virginia, 104 per cent.

Iron castings increased in value of the product 74.80 per cent. In the Middle States the value of the product was more than 100 per cent greater in 1860 than in 1850; in Pennsylvania, 100 per cent; and in Maine more than 520 per cent.

In the production of hardware there was an increase of 56.70 per cent, while the capital invested increased 90 per cent, and the number of hands employed increased 52.50 per cent. The New England States increased 100 per cent, and made more hardware in 1860 than all the States made in 1850. Connecticut alone increased her production 103.80 per cent; and New Jersey, 360 per cent. The Western States increased their product 74 per cent, while the State of Ohio increased 99 per cent.

The steel industry had its birth during the decade from 1850 to 1860. The product increased 99.50 per cent, while the capital invested increased over 3,000 per cent, the hands employed 1,770 per cent, and the wages paid 123.60 per cent.

In the manufacture of machinery, steam engines, etc., including locomotives, hay and cotton presses, and cotton and woollen machinery, the value of the product increased 66.60 per cent in the whole country, but in the Western States the increase was 217 per cent.

The manufacture of sewing machines was scarcely known in 1850, but in 1860 the value of the product was \$4,247,820.

During this prosperous decade, when every branch of commerce flourished, when labor was adequately rewarded, and when the American mechanic was prosperous, when not only the material but the intellectual and moral forces of the country grew rapidly and healthfully, the government effected two loans, amounting in the aggregate to \$40,000,000. One half of this indebtedness consisted of Treasury notes bearing six per cent interest, and redeemable at the expiration of one year from date. These notes were issued under the act of December 23, 1857, and although part of them bore only three per cent interest they were sold at par.

The other loan of \$20,000,000 was effected by the sale of bonds, authorized by the act of June 14, 1858. They were made redeemable fifteen years after date, and bore interest at the rate of five per cent per annum. They were sold at a premium of from two to seven per cent in gold. Since that time the government has never sold a bond, no matter what the rate of interest might be, for any such premium as was obtained for the bonds issued under the act of 1858.

An act passed June 22, 1860, was simply a funding act. It authorized the issue of bonds or stocks to an amount not

exceeding \$21,000,000, bearing interest not exceeding six per cent, and redeemable not more than 20 years after date. The money raised was to be used only in the redemption of Treasury notes previously issued. Under this act there was raised the sum of \$7,022,000, the bonds issued bearing interest at the rate of five per cent. Some of these bonds were sold at par, and the remainder at a premium of nearly 1.50 per cent.

No other decade excepting that during which the country was blessed with a revenue tariff has such a story of prosperity to tell as these ten years have stamped on our history. No other decade will have such a story to tell until the government ceases to tax four fifths of the people for the benefit of a small fraction of the other fifth.

Tables contrasting wages paid in Great Britain, Germany, and France.

[Values reduced to American dollars: English shilling and German mark, 24 cents; franc, 19 cents.]

| Class of occupation. | Great Britain. | | | France, 1881. | Germany. | |
|-------------------------------|-------------------|---|-----------------------------|------------------|---|---|
| | Glasgow, 1865. | Manches- ter and neighbor- hood, 1880. | East Lanca- shire, 1880. | | United States consular re- ports, 1881. | Table of statistics of Society "Concordia," 1882. |
| Hours work in week | 66. | 56. | 56. | 72. | 66 to 72. | 66 to 72. |
| Scutchers : | | | | | | |
| Men | 5 40 | 5 40 | 5 40 | 5 40 | 5 40 | 5 40 |
| Girls | 2 04 | 2 04 | 2 04 | 2 04 | 2 04 | 2 04 |
| Strippers : | | | | | | |
| Men | 5 40 | 5 40 | 5 40 | 5 40 | 5 40 | 5 40 |
| Lads | 2 76 | 2 76 | 2 76 | 2 76 | 2 76 | 2 76 |
| Grinders : | | | | | | |
| Men | 4 68 | 4 68 | 4 68 | 4 68 | 4 68 | 4 68 |
| Lads | 3 50 | 3 50 | 3 50 | 3 50 | 3 50 | 3 50 |
| Lap and can tenders, lads . . | 2 16 | 2 16 | 2 16 | 2 16 | 2 16 | 2 16 |
| Drawer frame tenders, women . | 3 67 | 3 67 | 3 67 | 3 67 | 3 67 | 3 67 |
| Roving and slubbing, women . | 3 60 | 3 60 | 3 60 | 3 60 | 3 60 | 3 60 |
| Card winders : | | | | | | |
| Men | 5 28 | 5 28 | 5 28 | 5 28 | 5 28 | 5 28 |
| Women | 6 48 | 6 48 | 6 48 | 6 48 | 6 48 | 6 48 |
| Overlookers, men | 6 24 | 6 24 | 6 24 | 6 24 | 6 24 | 6 24 |
| Mule spinners, men | 5 76 to 9 60 | 5 76 to 9 60 | 5 76 to 9 60 | 5 76 to 9 60 | 5 76 to 9 60 | 5 76 to 9 60 |
| Piecers, lads | 5 76 to 9 60 | 5 76 to 9 60 | 5 76 to 9 60 | 5 76 to 9 60 | 5 76 to 9 60 | 5 76 to 9 60 |
| Engine driver | 5 76 to 9 60 | 5 76 to 9 60 | 5 76 to 9 60 | 5 76 to 9 60 | 5 76 to 9 60 | 5 76 to 9 60 |

Reports from 134 factory towns of the empire give the earnings of weavers in power mills at rates varying from \$1.50 to \$4.50 per week, mostly of 66 hours (some with 72 and 78 hours). The earnings are: 2 at \$1.44; 7 at \$1.92; 9 at \$2.16; 16 at \$2.40; 7 at \$2.64; 18 at \$2.87; 10 at \$3.12; 13 at \$3.36; 20 at \$3.60; 6 at \$3.84; 10 at \$4.32; 2 at \$5.04; average, \$3.00 for men; women's earnings, of course, are considerably less.

Machinery.

| Occupations. | England. | | | | Germany. | |
|---------------------|--------------------|------------------------|-------------------|--------------------|---|--|
| | 1865. | 1880.—Birming- ham. | 1880.— Dundee. | 1880.— Glasgow. | 1880.— Reports of chambers of commerce. | 1882.— Statis- tical tables of Concordia. |
| Hours | 66-72 | 54 | 54 | 54 | | |
| Pattern-makers . . | \$7 92 | \$7 92 | \$6 96 | \$7 56 | Yearly earnings in foundry and machine shops for men unskilled, \$130 to \$200. Skilled, from \$225 to \$300. | Weekly earnings of skilled men in machine shops, 232 towns: 8 at \$2.40; 6 at \$2.64; 26 at \$2.87; 21 at \$3.36; 65 at \$3.60; 13 at \$3.84; 9 at \$4.08; 58 at \$4.32; 5 at \$4.60; 8 at \$4.80; 4 at \$5.04; 1 at \$5.38; 5 at \$5.76; 1 at \$6.24; 1 at \$6.48; 1 at \$6.96. Average for the Empire, \$3.82. |
| Iron-moulders . . | 8 64 | 8 40 | 7 20 | | | |
| Brass-moulders . . | | 8 40 | 6 72 | | | |
| Steam-hammermen | | 12 96 | | | | |
| Forgemen | | | 16 80 | | | |
| Smiths | | 8 16 | 6 48 | 7 32 | | |
| Strikers | 3 36 to 4 32 | 5 04 | 4 56 | 5 04 | | |
| Planers | | 6 72 | 6 00 | 6 72 | | |
| Turners | 7 20 | 7 68 | 6 72 | 6 72 | | |
| Fitters | 7 20 | 7 68 | 6 24 | 7 14 | | |
| Stokers | | 4 80 | 5 14 | 6 12 | | |
| Carpenters | | 7 20 | 6 72 | 7 03 | | |
| Bricklayers | | 7 20 | | | | |
| Laborers | 3 60 to 4 80 | 4 32 | 3 84 | 4 08 | | |
| Boiler-makers . . | 8 16 | | 6 48 | 7 32 | | |

Boots and Shoes.

| Description of occupation. | Great Britain.—Lester and neighborhood, 1880. | France. | Germany. Tables of Concordia. |
|------------------------------------|---|--|---|
| Hours | 56 | | |
| Sewing machinists, men | 7 20 | In France wages of shoemakers are between five and six francs a day. (Report of Secretary Evarts, State of Labor in Europe, 1878.) | In Germany wages for men in the shoe industry vary from \$4, paid in Frankfurt (o. M.), Karlsruhe \$3.84, to Offenbach (o. M.) \$3.00—the latter the centre of a large manufacturing industry in this line. |
| Sewing machinists, women | 3 80 | | |
| Cutters, men | 5 04 | | |
| Clickers, men | 6 48 | | |
| Riveters, men | 6 00 | | |
| Machine operators, men | 6 72 | | |
| Finishers | 7 20 | | |

The following tables were presented to the Statistical Society of Great Britain by its president, Robert Giffen, LL.D., November 20, 1883 :

Comparison of wages fifty years ago and at the present time.

[From miscellaneous statistics of the United Kingdom and Porter's Progress of the Nation.]

| Occupation. | Place. | Wages per week. | | Increase. | |
|-------------------------|-------------------------|------------------|---------------|-----------|-----------|
| | | Fifty years ago. | Present time. | Amount. | Per cent. |
| | | £ s. d. | £ s. d. | s. d. | |
| Carpenters | Manchester . . . | 1 4 0 | 1 14 0 | 10 0 | 42 |
| Carpenters | Glasgow | 14 0 | 1 6 0 | 12 0 | 85 |
| Bricklayers | Manchester <i>a</i> . . | 1 4 0 | 1 16 0 | 12 0 | 50 |
| Bricklayers | Glasgow | 15 0 | 1 7 0 | 12 0 | 80 |
| Masons | Manchester <i>a</i> . . | 1 4 0 | 1 9 10 | 5 10 | 24 |
| Masons | Glasgow | 14 0 | 1 3 8 | 9 8 | 69 |
| Miners | Staffordshire . . | 6 2 8 | 6 4 0 | 1 4 | 50 |
| Pattern-weavers | Huddersfield . . | 16 0 | 1 5 0 | 9 0 | 55 |
| Wool-scourers | Huddersfield . . | 17 0 | 1 2 0 | 5 0 | 30 |
| Mule-spinners | Huddersfield . . | 1 5 6 | 1 10 0 | 4 6 | 20 |
| Weavers | Huddersfield . . | 12 0 | 1 6 0 | 14 0 | 115 |
| Warpers and beamers . . | Huddersfield . . | 17 0 | 1 7 0 | 10 0 | 58 |
| Winders and reelers . . | Huddersfield . . | 6 0 | 11 0 | 5 0 | 83 |
| Weavers (men) | Bradford | 8 3 | 1 6 0 | 12 3 | 150 |
| Reeling and warping . . | Bradford | 7 9 | 15 6 | 7 9 | 100 |
| Spinning (children) . . | Bradford | 4 5 | 11 6 | 7 1 | 160 |

a 1825.

b Wages per day.

Comparison of seamen's money-wages per month, 1850 and the present time.

[From the Progress of Merchant Shipping Returns.]

| | 1850—sailing. | Present time—steam. | Increase. | |
|-------------------------|---------------|---------------------|-----------|-----------|
| | | | Amount. | Per cent. |
| | £ s. d. | £ s. d. | £ s. d. | |
| Bristol | 2 5 0 | 3 15 0 | 1 10 0 | 66 |
| Glasgow | 2 5 0 | 3 10 0 | 1 5 0 | 55 |
| Liverpool (1) | 2 10 0 | 3 7 6 | 16 6 | 33 |
| Liverpool (2) | 2 10 0 | 4 5 0 | 1 15 0 | 70 |
| Liverpool (3) | 2 5 0 | 3 0 0 | 15 0 | 33 |
| Liverpool (4) | 2 0 0 | 2 10 0 | 10 0 | 25 |
| Liverpool (5) | 2 2 6 | 3 0 0 | 17 6 | 40 |
| London (1) | 2 5 0 | 3 15 0 | 1 10 0 | 66 |
| London (2) | 2 10 0 | 3 17 6 | 1 7 6 | 55 |
| London (3) | 2 5 0 | 3 5 0 | 1 0 0 | 45 |
| London (4) | 2 5 0 | 3 10 0 | 1 5 0 | 55 |
| London (5) | 2 0 0 | 3 7 6 | 1 7 6 | 69 |
| London (6) | 2 0 0 | 3 7 6 | 1 7 6 | 69 |

Paupers in receipt of relief in the years given below.

| | 1849. | 1881. |
|--------------------------|-----------|-----------|
| England | 934,000 | 803,000 |
| Scotland | a 122,000 | 102,000 |
| Ireland | 620,000 | 109,000 |
| United Kingdom | 1,676,000 | 1,014,000 |

a 1859.

Average attendance at schools aided by parliamentary grants.

| | 1851. | 1881. |
|--------------------|---------|-----------|
| England | 239,000 | 2,863,000 |
| Scotland | 32,000 | 410,000 |

Savings.

| | 1831. | 1881. |
|--------------------------------|-------------|-------------|
| Number of depositors | 429,000 | 4,140,000 |
| Amount of deposits | £13,719,000 | £80,334,000 |
| Amount per depositor | £32 | £19 |

Table showing cost of English and American steel rails, and the effect of duty on prices.

| Year. | Price in England, free on board. | English price. | Price of American steel rails in gold. | Difference in price. | Rate of duty. | |
|----------------|----------------------------------|----------------|--|----------------------|---------------|----------|
| | | | | | Per cent. | Per ton. |
| 1864 | £ 17 12 0 | \$85 65 | \$148 50 | \$62 85 | 45 | |
| 1865 | 16 7 0 | 79 56 | 127 50 | 47 94 | 45 | |
| 1866 | 14 10 0 | 70 56 | 117 50 | 46 94 | 45 | |
| 1867 | 13 10 0 | 65 70 | 113 28 | 47 58 | 45 | |
| 1868 | 12 12 0 | 61 32 | 105 00 | 43 68 | 45 | |
| 1869 | 11 6 0 | 54 99 | 97 38 | 42 39 | 45 | |
| 1870 | 10 7 0 | 50 37 | 91 17 | 40 80 | 45 | |
| 1871 | 11 6 0 | 54 99 | 91 18 | 36 19 | | \$28 00 |
| 1872 | 13 18 0 | 67 04 | 98 43 | 30 79 | | 28 00 |
| 1873 | 16 9 0 | 80 05 | 103 91 | 23 06 | | 28 00 |
| 1874 | 13 2 0 | 68 75 | 85 76 | 17 01 | | 28 00 |
| 1875 | 9 2 0 | 44 28 | 59 75 | 14 97 | | 28 00 |
| 1876 | 6 12 0 | 32 12 | 44 97 | 12 75 | | 28 00 |
| 1877 | 6 0 0 | 29 20 | 42 08 | 12 88 | | 28 00 |
| 1878 | 5 5 0 | 25 55 | 42 00 | 16 45 | | 28 00 |
| 1879 | 5 10 6 | 26 88 | 48 25 | 21 37 | | 28 00 |
| 1880 | 7 1 6 | 34 36 | 67 50 | 33 14 | | 28 00 |
| 1881 | 6 10 0 | 31 53 | 60 00 | 28 47 | | 28 00 |
| 1882 | 6 7 6 | 31 10 | 57 00 | 25 90 | | 28 00 |

OUR UNJUST TARIFF LAW.

SCHEDULE. — *Statement showing amount of incidental taxes annually imposed on the people of the United States in the increased cost of home products, by reason of discriminating duties on imported articles of like character, together with the value of such home products, the amount of wages paid, and number of hands employed, and the imports and duties received thereon, for the year 1882.*

| Articles affected by the tariff. | Merchandise imported during fiscal year ended June 30, 1882. | | | Value of home products, 1880. | Average number of hands employed. Boys under 16 and girls under 18 counted as one-half a hand. | Total amount in wages during the year. | Estimated rate of increase ad valorem. | Incidental taxes, being the increased cost of home products by reason of the tariff. |
|--|--|----------------|---------------------------|-------------------------------|--|--|--|--|
| | Values. | Duty received. | Average ad valorem rates. | | | | | |
| | | | Per cent. | | | | Per cent. | |
| Chemical products | \$21,517,169 | \$6,718,561 | 31.32 | \$117,377,324 | 28,895 | \$11,840,704 | 20 | \$23,475,464 |
| Earthenware and glassware | 13,822,043 | 6,693,257 | 48.42 | 31,632,309 | 30,674 | 13,130,403 | 45 | 14,234,539 |
| Metals — iron, steel, and metal manufactures | 74,427,988 | 30,358,936 | 40.79 | 604,553,460 | 290,000 | 122,648,191 | 20 | 120,910,692 |
| Wood and woodenware | 8,654,327 | 1,589,851 | 18.37 | 311,928,884 | 185,426 | 47,817,199 | 15 | 46,789,332 |
| Sugar and molasses | 94,540,269 | 49,210,573 | 52.05 | (*) | 81,809 | 25,041,257 | 40 | 4,846,714 |
| Tobacco, | 8,216,132 | 6,000,961 | 73.03 | 118,665,366 | 170,363 | 45,614,419 | 25 | 29,666,341 |
| Cotton and cotton goods | 34,868,044 | 13,482,167 | 38.67 | 210,950,383 | 4,329 | 1,238,149 | 20 | 42,190,076 |
| Hemp, jute, and flax goods | 33,578,076 | 9,844,652 | 29.32 | 5,518,866 | 145,341 | 47,351,628 | 20 | 1,105,773 |
| Wool and woollens | 47,679,502 | 28,254,234 | 61.36 | 267,182,914 | 28,554 | 9,146,705 | 40 | 106,873,165 |
| Silk and silk goods | 38,535,475 | 22,632,490 | 58.73 | 41,033,045 | 25,274 | 9,895,995 | 50 | 20,516,522 |
| Books, paper, &c. . . . | 4,923,620 | 1,406,787 | 28.57 | 65,960,405 | 337,216 | 129,881,399 | 20 | 13,192,081 |
| Sundries | 62,410,690 | 17,272,269 | 27.68 | 665,699,693 | 1,327,881 | 463,606,049 | 20 | 133,139,938 |
| Total | 433,173,335 | 194,464,758 | | 2,440,502,649 | | | | 556,938,637 |

* Planters' products for 1880 were: Sugar, 196,759,200 pounds; molasses, 16,573,273 gallons. Number and wages of laborers not stated.

SCHEDULE. — *Statement showing value of product, amount paid for hired labor, and ratio of latter to value of product, in all industries, as returned at the Tenth Census, with rate of duty (tariff) on each industry or article of chief value entering into the same; also excess of tariff over cost of labor in all protected industries.*

| Mechanical and manufacturing industries. | Each industry during census year (1880). | | | (Tariff.) Rate of duty. | Excess of tariff over cost of labor. |
|--|--|------------------------|-------------------------|---|--------------------------------------|
| | Value of product. | Amount paid for labor. | Percent paid for labor. | | |
| | | | | Per cent. | |
| | | | | Average paid for labor | 17.7 |
| | | | | Average rate of duty, under act March 3, 1883 | 40.0 |
| | | | | Excess of tariff over cost of labor | 22.3 |
| All industries | 5,369,579,191 | 947,953,795 | 17.7 | 40 per cent. | 22.3 per cent. |
| Agricultural implements | 68,640,486 | 15,359,610 | 22.4 | Wood — chief value, 35 p. c. | 12.6 p. c. |
| Ammunition | 1,904,936 | 361,778 | 19.0 | Iron or steel — chief value, 45 p. c. | 22.6 p. c. |
| | | | | Shot, 3c. lb. | 43.7 p. c. |
| | | | | Shell, 45 p. c. | 26.0 p. c. |
| | | | | Gun-wads, 35 p. c. | 26.0 p. c. |
| | | | | Percussion-caps, 40 p. c. | 21 p. c. |
| | | | | Gunpowder — value 20 cents or less per lb., 6c. per lb.; valued over 20 cents per lb., 10c. | 16.6 p. c. |
| Artificial feathers and flowers. | 4,879,324 | 1,081,040 | 22.0 | Crude, 25 p. c. | 3 p. c. |
| | | | | Dressed, 50 p. c. | 28 p. c. |
| Artificial limbs | 137,024 | 43,833 | 32.0 | 35 p. c. | 3 p. c. |
| Awnings and tents | 1,986,942 | 334,463 | 17.0 | 35 p. c. | 18 p. c. |
| Axle grease | 365,048 | 41,407 | 11.3 | 10 p. c. | — 1.3 p. c. |
| Babbitt metal and solder | 262,950 | 18,745 | 7.1 | Manufactures of metals, n. o. s., 45 p. c. | 37.9 p. c. |
| Bagging, flax, hemp, and jute | 3,511,553 | 827,759 | 23.6 | Valued at 7c. or less per sq. yd., 1½c. per lb., valued over 7c. per sq. yd., 2c. per lb. | 7.9 p. c. |

Statement showing value of product, amount paid for hired labor, &c. — Continued.

| Mechanical and manufacturing industries. | Each industry during census year (1880). | | | (Tariff.) Rate of duty. | Excess of tariff over cost of labor. |
|---|--|------------------------|-------------------------|--|--------------------------------------|
| | Value of product. | Amount paid for labor. | Percent paid for labor. | | |
| Bags: | | | | | |
| Other than paper | \$9,726,600 | \$776,026 | 8.0 | 40 p. c. | 32.0 p. c. |
| Paper | 4,112,566 | 439,620 | 10.7 | 15 p. c. as manufactures of paper | 4.3 p. c. |
| Baking and yeast powders | 4,760,598 | 466,252 | 9.8 | 20 p. c. (n. e.) | 10.2 p. c. |
| Baskets, rattan and willow ware | 1,922,851 | 657,405 | 33.0 | 30 p. c. | — 3.0 p. c. |
| Bellows | 26,900 | 6,875 | 25.6 | Wood and leather, 35 p. c. | 9.4 p. c. |
| Bells | 1,065,824 | 280,169 | 26.3 | Metal, 45 p. c. | 19.4 p. c. |
| Belting and hose: | | | | 45 p. c. | 18.7 p. c. |
| Leather | 6,525,737 | 606,087 | 9.3 | 30 p. c. | 20.7 p. c. |
| Linen | 23,000 | 4,500 | 19.6 | 40 p. c. | 20.4 p. c. |
| Rubber | 1,085,000 | 131,721 | 12.1 | 30 p. c. | 17.9 p. c. |
| Billiard tables and materials | 2,289,758 | 400,779 | 17.5 | 35 p. c. | 17.5 p. c. |
| Blacking | 1,491,474 | 188,183 | 11.3 | 25 p. c. | 13.7 p. c. |
| Blacksmithing | 43,774,271 | 11,126,001 | 25.4 | Bar-iron, 8, 1, and 1.1 c. per lb. Hoop, band, or scroll, 1, 1.2, and 1.4 c. per lb. Axles, axle bars or blanks, 2½ c. per lb. Hammers and sledges, 2½ c. per lb. Bolts, blanks, rivets, 2½ c. per lb. Chains, 1½, 2, and 2½ c. per lb. Hob horseshoe nails, 4 c. per lb. Ox, mule, horseshoes and spikes, 2 c. per lb. Steel bars, coils, and sheets, valued at not over 4 c. per lb., 45 p. c.; valued above 4 and not above 7 c. per lb., 2 c. per lb. Steel bars, coils, and sheets, valued above 7 and not above 10 c. per lb., 2½ c. per lb.; valued above 10 c. per lb., 3½ c. per lb. Files, rasps, and floats, 35.75, \$1.50 and \$2 per doz., according to size. Wire rods, 6 c. per lb. Borax, 3 c. per lb. The average ad valorem rate of all iron and steel, and manufactures of, is about 40 p. c. | Average, 15 p. c. |

| | | | | | | |
|---|-------------|------------|------|-----------------------|-----------|---------------------|
| Blueing | 344,824 | 50,245 | 14.6 | 20 p. c. | | 5.4 p. c. |
| Bone, ivory, and lampblack | 661,376 | 80,249 | 12.1 | 25 p. c. | | 12.9 p. c. |
| Bookbinding and blank-book making | 11,976,764 | 3,927,349 | 32.8 | Leather, 30 p. c. | | Average, —3.4 p. c. |
| | | | | Paper, 15 p. c. | | |
| | | | | Gold leaf, 30.8 p. c. | | |
| | | | | Ink, 30 p. c. | | |
| | | | | Twine, 35 p. c. | | |
| Boot and shoe: | | | | 30 p. c. | | 20.2 p. c. |
| Cut stock | 7,531,635 | 735,482 | 9.8 | 30 p. c. | | 9.0 p. c. |
| Findings | 2,141,945 | 451,075 | 21.0 | 20 p. c. | | —1.5 p. c. |
| Uppers | 790,842 | 170,425 | 21.5 | 30 p. c. | | 4.1 p. c. |
| Including custom work and re- | | | | 25 p. c. | | 9.9 p. c. |
| pairing | 196,920,481 | 50,995,144 | 25.9 | 30 p. c. | | 4.2 p. c. |
| Rubber | 9,705,724 | 1,469,038 | 15.1 | 25 p. c. | | 4.0 p. c. |
| Boxes: | | | | 30 p. c. | | 8.2 p. c. |
| Cigar | 2,903,465 | 748,657 | 25.8 | 30 p. c. | | 27.4 p. c. |
| Fancy and paper | 7,665,553 | 2,373,948 | 31.0 | 35 p. c. | | 18.0 p. c. |
| Wooden, packing | 12,687,068 | 2,769,135 | 21.8 | 30 p. c. | | 5.7 p. c. |
| Brass and copper, rolling | 14,329,731 | 2,524,169 | 17.6 | 45 p. c. | | —20.9 p. c. |
| Brass castings | 10,808,742 | 2,729,794 | 25.3 | 45 p. c. | | 14.0 p. c. |
| Brass ware | 1,523,098 | 411,329 | 27.0 | 45 p. c. | | 24.0 p. c. |
| Bread and other bakery products | 65,824,896 | 9,411,328 | 14.3 | 20 p. c. | | 35.5 p. c. |
| Brick and tile | 32,833,587 | 13,443,532 | 40.9 | 20 p. c. | | 2 p. c. |
| Bridges | 8,978,122 | 1,882,179 | 21.0 | Wood, 35 p. c. | | 7 p. c. |
| | | | | Metal, 45 p. c. | | 13 p. c. |
| Bronze castings | 670,912 | 64,072 | 9.5 | 45 p. c. | | —12 p. c. |
| Brooms and brushes | 10,560,855 | 2,424,040 | 23.0 | Brooms, 25 p. c. | | 23.8 p. c. |
| | | | | Brushes, 30 p. c. | | 2.9 p. c. |
| Buttons | 4,449,542 | 1,645,130 | 37.0 | Metal, 45 p. c. | | 9.7 p. c. |
| | | | | Silk, 50 p. c. | | —20.3 p. c. |
| | | | | All other, 25 p. c. | | 13.9 p. c. |
| Calcium lights | 51,443 | 10,912 | 21.2 | Metals, 45 p. c. | | 8.9 p. c. |
| Cardboard | 959,145 | 116,410 | 12.1 | 15 p. c. | | 17.9 p. c. |
| Card-cutting and designing | 51,670 | 18,215 | 35.3 | Metals, 45 p. c. | | 28.28 p. c. |
| Carpentering | 94,152,139 | 24,582,077 | 26.1 | Paper, 15 p. c. | | 6.8 p. c. |
| Carpets: | | | | Metals, 40 p. c. | | 7 p. c. |
| Rag | 861,710 | 190,792 | 22.1 | 40 p. c. | | 6.4 p. c. |
| Other than rag (woollen) | 31,792,892 | 6,835,218 | 21.5 | 49.78 p. c. | | |
| Wood | 102,170 | 23,750 | 23.2 | 30 p. c. | | |
| Carriage and wagon materials | 10,114,352 | 2,733,004 | 27.0 | 35 p. c. | | |
| Carriages and sleds, children's | 1,677,776 | 462,852 | 27.6 | 35 p. c. | | |

Statement showing value of product, amount paid for hired labor, &c. — Continued.

| Mechanical and manufacturing industries. | Each industry during census year (1880). | | | (Tariff.) Rate of duty. | Excess of tariff over cost of labor. |
|---|--|------------------------|-------------------------|--|--------------------------------------|
| | Value of product. | Amount paid for labor. | Percent paid for labor. | | |
| Carriages and wagons | \$64,951,617 | \$18,988,615 | 29.2 | 35 p. c. | 5.8 p. c. |
| Cars, railroad, street, and repairs, not including steam-railroad companies | 27,997,591 | 5,507,753 | 19.7 | Metal, chief value, 45 p. c. | 25.3 p. c. |
| Celluloid and celluloid goods | 1,261,540 | 242,798 | 19.2 | Wood, chief value, 35 p. c. | 15.3 p. c. |
| Charcoal | 975,540 | 396,697 | 40.0 | Celluloid, 20 p. c.; goods, 35 p. c. | 15.8 p. c. |
| Cheese and butter factory | 25,742,510 | 1,546,495 | 6.0 | Free. | |
| | | | | Milk, 10 p. c. | 4 p. c. |
| Chocolate | 1,302,153 | 82,258 | 6.3 | Cheese, 4c. per lb. = 25.49 p. c. | 19.49 p. c. |
| Cigar-moulds | 111,820 | 32,020 | 28.6 | Butter, 4c. per lb. = 18.40 p. c. | 12.40 p. c. |
| Cleansing and polishing preparations | 500,280 | 91,455 | 18.3 | 2c. per lb. = 6.5 p. c. | -2 p. c. |
| | | | | Wood, 35 p. c. | 6.4 p. c. |
| | | | | Metal, 45 p. c. | 16.4 p. c. |
| | | | | Chemical, 25 p. c. | 6.7 p. c. |
| | | | | Polishing, 25 p. c. | 6.7 p. c. |
| | | | | Varnish, 40 p. c. | 21.7 p. c. |
| | | | | 35 p. c. | 5.3 p. c. |
| | | | | 30 p. c. | -9.5 p. c. |
| | | | | 35 p. c. | 6.8 p. c. |
| Clock cases and materials | 50,500 | 15,000 | 29.7 | Cotton, 35 p. c. | 15.2 p. c. |
| Clocks | 4,110,267 | 1,622,693 | 39.5 | Woolen, 50 p. c. | 30.2 p. c. |
| Cloth finishing | 222,560 | 62,790 | 28.2 | Cotton, 35 p. c. | 13.1 p. c. |
| Clothing, horse | 635,000 | 137,400 | 19.8 | Woolen, 60 p. c. | 38.1 p. c. |
| Clothing: Men's | 209,548,460 | 45,940,353 | 21.9 | Linen, 40 p. c. | 18.1 p. c. |
| | | | | Silk, 50 p. c. | 28.1 p. c. |
| | | | | Cotton, 35 p. c. | 14.2 p. c. |
| Women's | 32,004,794 | 6,661,005 | 20.8 | Woolen, 60 p. c. | 39.2 p. c. |
| | | | | Silk, 50 p. c. | 29.2 p. c. |
| | | | | Linen, 40 p. c. | 19.2 p. c. |
| Coal-tar | 466,800 | 65,500 | 14.0 | 20 p. c. | 6.0 p. c. |

| | 22,924,894 | 1,370,699 | 6.0 | Spices, ground, 5c. per lb. = 38 p. c. . . . | 24.0 p. c. |
|---|--------------|-------------|------|--|----------------------------|
| Coffee and spices, roasted, ground | | | | | |
| Coffins, burial cases, and undertaker's goods | 8,157,760 | 1,895,805 | 23.2 | Wood, 35 p. c. | 11.8 p. c. |
| Coke | 5,359,489 | 1,198,654 | 22.4 | Metal, 45 p. c. | 21.8 p. c. |
| Collars and cuffs, paper | 1,582,571 | 151,576 | 9.6 | 20 p. c. | — 2.4 p. c. |
| Combs | 951,395 | 374,785 | 39.4 | 15 p. c. | 5.4 p. c. |
| Confectionery | 25,637,033 | 3,242,852 | 12.6 | 30 p. c. | — 9.4 p. c. |
| | | | | 5c. per lb. = 38 p. c.; 10c. per lb. = 55 p. c. and 50 p. c. | 25.4, 42.4, and 37.4 p. c. |
| Cooperage | \$33,714,770 | \$8,992,603 | 26.7 | 35 p. c. | 8.3 p. c. |
| Coppersmithing | 2,087,773 | 520,302 | 24.9 | 45 p. c. | 20.1 p. c. |
| Cordage and Twine | 12,492,171 | 1,558,676 | 12.5 | Tarred, 3c. per lb. = 28.8 p. c. | 16.3 p. c. |
| | | | | Untarred, 2½c. per lb. = 21 p. c. | 8.5 p. c. |
| | | | | All other, 3½c. per lb. = 28.8 p. c. | 16.3 p. c. |
| Cordials and sirups | 331,233 | 42,928 | 13.0 | Cordials, \$2 per gall. = 127 p. c. | 114.0 p. c. |
| | | | | Sirups, 35 p. c. | 22.0 p. c. |
| Cork-cutting | 1,566,555 | 232,846 | 14.9 | 25 p. c. | 10.1 p. c. |
| Corsets | 6,494,705 | 1,745,969 | 26.9 | 35 p. c. | 8.1 p. c. |
| Cotton compressing | 1,271,700 | 573,005 | 45.1 | 35 and 45 p. c. | |
| Cotton goods | 210,950,383 | 45,614,419 | 21.6 | Average, 38.3 p. c. | 16.7 p. c. |
| | | | | Thread, 50.2 p. c. | 28.6 p. c. |
| Cotton-ties | 262,351 | 38,069 | 14.5 | 35 p. c. | 20.5 p. c. |
| Crucibles | 1,445,641 | 284,169 | 19.7 | 25 p. c. | 5.3 p. c. |
| Cutlery and edge tools | 11,661,370 | 4,447,849 | 38.1 | 50 and 45 p. c. | 11.9 and 6.1 p. c. |
| Dentistry, mechanical | 1,860,647 | 269,044 | 14.5 | Teeth, 20 p. c.; metals, 45 p. c. | 5.5 and 30.5 p. c. |
| Dentists' materials | 860,758 | 237,729 | 27.6 | Average, 45 p. c. | 17.4 p. c. |
| Drain and sewer pipe | 480,261 | 114,942 | 23.8 | Earthen, 25 p. c. | 1.2 p. c. |
| | | | | Iron, 1c. per lb. = 32 p. c. | 8.2 p. c. |
| Drugs and chemicals | 38,173,658 | 4,157,163 | 10.9 | 37.1 p. c. | 26.2 p. c. |
| Dyeing and cleaning | 1,613,943 | 511,886 | 31.7 | 35 p. c. | 3.3 p. c. |
| Dyeing and finishing textiles | 32,297,420 | 6,474,364 | 20.0 | Estimated, 35 p. c. | 15 p. c. |
| Dyestuffs and extracts | 5,253,038 | 512,097 | 9.7 | Free. Extracts, 10 p. c. | |
| Electric lights | 458,400 | 117,500 | 25.6 | 45 p. c. | 19.4 p. c. |
| Electrical apparatus and supplies | 1,074,388 | 224,758 | 20.9 | 45 p. c. | 24.1 p. c. |
| Electroplating | 1,975,700 | 620,848 | 31.4 | 45 p. c. | 13.6 p. c. |
| Emery wheels | 322,022 | 58,253 | 18.1 | 20 p. c. | 1.9 p. c. |
| Enameled goods | 321,511 | 41,906 | 13.0 | 45 p. c. | 32 p. c. |
| Enameling | 182,758 | 56,836 | 31.1 | 45 p. c. | 13.9 p. c. |
| Engravers' materials | 85,764 | 39,840 | 46.5 | 45 p. c. | — 1.5 p. c. |
| Engraving and die-sinking | 1,180,165 | 419,646 | 35.6 | 45 p. c. | 9.4 p. c. |

Statement showing value of product, amount paid for hired labor, &c. — Continued.

| Mechanical and manufacturing industries. | Each industry during census year (1880). | | | (Tariff.) Rate of duty. | Excess of tariff over cost of labor. |
|--|--|------------------------|-------------------------|---|--------------------------------------|
| | Value of product. | Amount paid for labor. | Percent paid for labor. | | |
| Engraving: | | | | | |
| Steel | \$2,998,616 | \$1,951,745 | 65.1 | Steel plates, engraved, 25 p. c. | — 40.1 p. c. |
| Wood | 734,728 | 333,590 | 45.4 | Steel plates, prepared, 45 p. c. | — 20.1 p. c. |
| Envelopes | 3,000,617 | 344,143 | 11.5 | Wood, engraved, 25 p. c. | — 20.4 p. c. |
| Explosives and fireworks | 1,391,132 | 216,069 | 15.5 | Wood, prepared, 35 p. c. | — 10.4 p. c. |
| Fancy articles | 2,817,230 | 1,036,672 | 36.8 | 25 p. c. | 13.5 p. c. |
| Felt goods | 3,619,652 | 439,760 | 12.1 | 100 p. c. | 84.5 p. c. |
| Fertilizers | 23,650,795 | 2,648,422 | 11.2 | Average, 38.4 p. c. | 1.6 p. c. |
| Files | 2,486,533 | 957,412 | 38.5 | Carpets, 40 p. c. | 27.9 p. c. |
| Fire-arms | 5,736,938 | 2,700,281 | 47.1 | Woolens, 50 p. c. | 37.9 p. c. |
| Fire-extinguishers, chemical | 204,693 | 84,750 | 71.4 | Roofing, 20 p. c. | 7.9 p. c. |
| Flags and banners | 119,600 | 27,375 | 22.9 | Free | — 11.2 p. c. |
| Flavoring extracts | 1,195,637 | 129,343 | 10.8 | 35c., 75c., \$1.50, and \$2.50 per dozen; average, 56.7 p. c. | 18.2 p. c. |
| Flax, dressed | 1,310,231 | 268,420 | 20.5 | Shotgun barrels, 10 p. c. | — 37.1 p. c. |
| Flouring and grist-mill products . | 505,185,712 | 17,422,316 | 3.4 | Breech-loading shotguns and pistols, 35 p. c. | — 12.1 p. c. |
| Food preparations | 2,493,224 | 318,253 | 12.8 | Muskets, rifles, and other fire-arms, 25 p. c. | — 22.1 p. c. |
| | | | | 45 p. c. | 26.4 p. c. |
| | | | | Silk, 50 p. c. | 27.1 p. c. |
| | | | | Bunting, 62.8 p. c. | 39.9 p. c. |
| | | | | Cotton, 35 p. c. | 12.1 p. c. |
| | | | | 50 p. c. | 39.2 p. c. |
| | | | | \$40 per ton = 7.7 p. c. | — 12.8 p. c. |
| | | | | Wheat flour, 20 p. c. | 16.4 p. c. |
| | | | | Rye flour, $\frac{1}{2}$ c. per lb. = 10 p. c. | 6.4 p. c. |
| | | | | Corn-meal, 10c. per bush. = 20.71 p. c. | 17.3 p. c. |
| | | | | Oat-meal, $\frac{1}{2}$ c. per lb. = 10 p. c. | 6.4 p. c. |
| | | | | Bran and other mill-feed, 20 p. c. | 17.3 p. c. |
| | | | | 20 p. c. | 7.2 p. c. |

| | | | | | |
|--|-------------|------------|------|---|--------------------|
| Foundry and machine-shop products | 214,378,468 | 65,982,133 | 30.8 | 45 p. c. | 14.2 p. c. |
| Foundry supplies | 215,650 | 27,303 | 12.7 | Sand, 10 p. c. | — 2.7 p. c. |
| Fruit-jar trimmings | 485,503 | 104,501 | 21.5 | Pig-iron, \$6.72 per ton; scrap iron, \$6.72 ton = 37.2 p. c. | 24.5 p. c. |
| Fruits and vegetables, canned, preserved | 17,599,576 | 2,679,960 | 15.2 | Wood-moulds, 30 p. c. | 17.3 p. c. |
| Fuel, artificial | 102,000 | 10,000 | 9.8 | Coal, 75c. per ton = 24.1 p. c. | 11.4 p. c. |
| Furnishing goods, men's | 11,506,857 | 2,644,155 | 23.0 | Rubber, 30 p. c.; metal, 45 p. c. | 8.5 and 23.5 p. c. |
| Furniture | 63,037,902 | 20,383,794 | 30.0 | 35 p. c. | 19.8 p. c. |
| Furniture, chairs | 9,807,823 | 3,311,286 | 33.8 | 20 p. c. | 10.2 p. c. |
| Furs, dressed | 8,238,712 | 1,389,284 | 16.9 | Silk, 50 p. c. | 27 p. c. |
| Galvanizing | 1,884,695 | 244,799 | 13.0 | Woolen, 60 p. c. | 37 p. c. |
| Gas and lamp fixtures | 4,329,656 | 1,469,287 | 33.9 | Linen, 40 p. c. | 17 p. c. |
| Gas machines and meters | 1,334,091 | 397,108 | 29.8 | Cotton, 35 p. c. | 12 p. c. |
| Glass | 21,154,571 | 9,144,100 | 43.2 | India rubber manufactures, 30 p. c. | 7 p. c. |
| Glass, cut, stained, ornamented | 2,585,209 | 706,768 | 27.9 | Manufactured, 35 p. c. | 5 p. c. |
| Gloves and mittens | 7,379,605 | 1,655,695 | 22.4 | Silk reps, 50 p. c. | 20 p. c. |
| Glucose | 4,551,212 | 605,802 | 13.3 | Woolen reps, 55 p. c. | 25 p. c. |
| Glue | 4,334,072 | 600,018 | 13.9 | Marble slabs, 50 p. c. | 20 p. c. |
| Gold and silver: | | | | Hair cloths, 23 p. c. | — 7 p. c. |
| Leaf and foil | 1,614,040 | 410,647 | 25.4 | Varnish, 40 p. c. | 10 p. c. |
| Reduced and refined | 9,548,188 | 178,096 | 1.9 | See articles for "Furniture" above | See Furniture. |
| Graphite | 210,000 | 35,225 | 16.8 | 20 p. c. | 3.1 p. c. |
| | | | | 45 p. c. | 32.0 p. c. |
| | | | | 45 p. c. | 11.1 p. c. |
| | | | | 45 p. c. | 15.2 p. c. |
| | | | | Common window, average p. c., 68.5 p. c. | 25.1 p. c. |
| | | | | Polished window, 25.2 p. c. | — 18.0 p. c. |
| | | | | Fluted or rough plate, 36.2 p. c. | — 7.0 p. c. |
| | | | | Plate glass, 85.8 p. c. | 42.6 p. c. |
| | | | | Silvered glass, 28.8 p. c. | 14.4 p. c. |
| | | | | 45 p. c. | 17.1 p. c. |
| | | | | Kid or leather, 50 p. c. | 27.6 p. c. |
| | | | | 20 p. c. | 6.7 p. c. |
| | | | | 20 p. c. | 6.1 p. c. |
| | | | | Gold-leaf, \$1.50 per pack = 30.8 p. c. | 5.4 p. c. |
| | | | | Silver-leaf, 75c. per pack = 100.8 p. c. | 75.4 p. c. |
| | | | | Free | — 1.9 p. c. |
| | | | | Crude, free | — |
| | | | | Manufactures of, 20 p. c. | 3.2 p. c. |

Statement showing value of product, amount paid for hired labor, &c. — Continued.

| Mechanical and manufacturing industries. | Each industry during census year (1880). | | | (Tariff.) Rate of duty. | Excess of tariff over cost of labor. |
|--|--|------------------------|-------------------------|---|--------------------------------------|
| | Value of product. | Amount paid for labor. | Percent paid for labor. | | |
| Grease and tallow | \$13,730,013 | \$556,015 | 4.0 | Grease, 10 p. c. | 6.0 p. c. |
| Grindstones | 184,555 | 57,040 | 30.9 | Tallow, 1c. per lb. = \$3.5 p. c. | 9.5 p. c. |
| Gunpowder | 3,348,941 | 510,550 | 15.2 | \$1.75 per ton = 14.4 p. c. | — 16.5 p. c. |
| Hair-work | 1,467,723 | 323,315 | 22.0 | Valued 20c. or less per lb., 6c. per lb. = 37.6 p. c. valued over 20c. per lb. 10c. per lb. } | 12.4 p. c. |
| | | | | Hair-cloth, 30 p. c. | 8.0 p. c. |
| | | | | Hair, curled, 30 p. c. | 8.0 p. c. |
| | | | | Hair, seating, 23 p. c. | 1.0 p. c. |
| | | | | Bracelets, braids, curls, &c., 35 p. c. | 13.0 p. c. |
| | | | | Human hair, manufactured, 40 p. c. | 18.0 p. c. |
| | | | | 35 p. c. | 19.1 p. c. |
| Hammocks | 110,352 | 17,576 | 15.9 | Woolens, 55 p. c. | 24.1 p. c. |
| Hand-knit goods | 446,354 | 137,720 | 30.9 | Cottons, 40 p. c. | 9.1 p. c. |
| Hand-stamps | 318,618 | 82,895 | 26.0 | Metal, 45 p. c. | 19 p. c. |
| | | | | Rubber, 30 p. c. | 4 p. c. |
| Handles, wooden | 1,656,698 | 436,664 | 26.4 | 35 p. c. | 8.6 p. c. |
| Hardware | 22,653,693 | 6,846,913 | 30.2 | 45 p. c. | 14.8 p. c. |
| Hardware, saddlery | 3,651,021 | 960,432 | 26.3 | 35 p. c. | 8.7 p. c. |
| Hat and cap materials | 2,217,250 | 463,854 | 20.9 | Silk, 50 p. c. | 29.1 p. c. |
| | | | | Cloth, 65.8 p. c. | 44.9 p. c. |
| | | | | Leather and cloth, 35 p. c. | 14.1 p. c. |
| Hats and caps, not including wool hats | 21,303,107 | 6,635,522 | 31.1 | Metals, 45 p. c. | 24.1 p. c. |
| | | | | Straw, grass, &c., 35 p. c. | — 1.1 p. c. |
| | | | | Silk, 50 p. c. | 18.1 p. c. |
| | | | | (See Gunpowder.) | |
| High explosives | 2,453,088 | 164,864 | 6.7 | Free | — 23.6 p. c. |
| Hones and whetstones | 224,130 | 52,961 | 23.6 | 45 p. c. | 21.4 p. c. |
| Hooks and eyes | 370,078 | 88,321 | 23.9 | Cotton, 40 p. c. | 17 p. c. |
| Hosiery and knit goods | 29,167,227 | 6,701,475 | 23.0 | Woolens, 55 p. c. | 32 p. c. |

| House-furnishing goods | 1,332,188 | 216,890 | 16.3 | Earthenware, common, 25 p. c. | 8.7 p. c. |
|--|-------------|------------|------|--|-------------|
| Ice, artificial | 544,763 | 140,885 | 25.9 | China, 55 p. c. | 38.7 p. c. |
| Ink | 1,623,413 | 230,284 | 14.1 | China, 60 p. c. | 43.7 p. c. |
| Instruments, professional and scientific | 1,639,094 | 588,751 | 35.9 | Cutlery, 45 p. c. | 28.7 p. c. |
| Iron and steel | 296,557,685 | 55,476,785 | 18.7 | Glassware, 45 p. c. | 28.7 p. c. |
| Iron bolts, nuts, washers, and rivets | 10,073,330 | 1,981,300 | 19.7 | Willowware, 30 p. c. | 13.7 p. c. |
| Iron doors and shutters | 495,060 | 103,269 | 20.9 | Wooden-ware, 35 p. c. | 18.7 p. c. |
| Iron forgings | 6,492,028 | 1,329,151 | 20.5 | Linens, 40 p. c. | 23.7 p. c. |
| Iron nails and spikes, cut, wrought | 6,529,240 | 1,255,171 | 22.3 | Cottons, 35 p. c. | 18.7 p. c. |
| Iron pipe, wrought | 13,292,162 | 1,788,258 | 13.5 | Metals, 45 p. c. | 28.7 p. c. |
| Iron railing, wrought | 1,300,549 | 369,903 | 28.4 | Chemicals, 25 p. c.; metals, 45 p. c. | 19.1 p. c. |
| Iron work, architectural and ornamental | 2,109,537 | 474,711 | 22.5 | 30 p. c. | 15.9 p. c. |
| Ivory and bone work | 1,454,901 | 414,701 | 28.5 | 35 p. c. | — .9 p. c. |
| Japanning | 190,080 | 65,562 | 34.5 | Average, 40.9 p. c. | 22.2 p. c. |
| Jewelry | 22,201,621 | 6,441,688 | 29.0 | 24c. per lb. = 45 p. c. | 25.3 p. c. |
| Jewelry and instrument cases | 131,670 | 51,000 | 38.7 | 25c. per lb. = 45 p. c. | 24.1 p. c. |
| Jute and jute goods | 696,982 | 141,379 | 20.4 | Cut, 14c. per lb. = 31.7 p. c. | 24.5 p. c. |
| Kaolin and ground earths | 1,455,757 | 310,909 | 21.4 | 2c. per lb. = 72.2 p. c. | 9.4 p. c. |
| Kindling wood | 2,480,953 | 526,861 | 21.2 | 24c. per lb. = 42 p. c. | 49.9 p. c. |
| Labels and tags | 865,825 | 149,268 | 17.2 | 45 p. c. | 28.5 p. c. |
| Lamps and reflectors | 3,357,829 | 742,423 | 22.1 | 45 p. c. | 16.6 p. c. |
| | | | | 45 p. c. | 22.5 p. c. |
| | | | | Billiard and bagatelle balls, dice, &c., 50 p. c. | 21.5 p. c. |
| | | | | Other ivory work, 30 p. c. | 1.5 p. c. |
| | | | | 40 p. c. | 5.5 p. c. |
| | | | | 25 p. c. | — 4.0 p. c. |
| | | | | Wood, 35 p. c. | — 3.7 p. c. |
| | | | | Metal, 45 p. c. | 6.3 p. c. |
| | | | | Silk, 50 p. c. | 11.3 p. c. |
| | | | | Jute butts, \$5 per ton = 15.6 p. c. | — 4.8 p. c. |
| | | | | Jute yarns, 35 p. c. | 14.6 p. c. |
| | | | | Burlaps, oilcloth foundation, and manufactures of, not otherwise specified, 40 p. c. | 19.6 p. c. |
| | | | | \$3 per ton = 32.7 p. c. | 11.3 p. c. |
| | | | | Oehres, 4c. per lb. = 39.5 p. c. | 18.1 p. c. |
| | | | | 35 p. c. | 13.8 p. c. |
| | | | | Paper, 15 p. c. | — 2.2 p. c. |
| | | | | Metal, 45 p. c. | 27.8 p. c. |
| | | | | Cotton or rubber, 35 p. c. | 17.8 p. c. |
| | | | | 45 p. c. | 22.9 p. c. |

Statement showing value of product, amount paid for hired labor, &c. — Continued.

| Mechanical and manufacturing industries. | Each industry during census year (1880). | | | (Tariff.) Rate of duty. | Excess of tariff over cost of labor. |
|---|--|------------------------|-------------------------|---|--------------------------------------|
| | Value of product. | Amount paid for labor. | Percent paid for labor. | | |
| Lapidary work | \$544,089 | \$142,075 | 26.1 | 25 p. c. | — 1.1 p. c. |
| Lard, refined | 23,195,702 | 546,258 | 2.4 | 2c. per lb. = 13.9 p. c. | 11.5 p. c. |
| Lasts | 765,296 | 308,975 | 40.4 | 30 p. c. | — 10.4 p. c. |
| Lead, bar, pipe, sheet, and shot | 5,600,671 | 316,363 | 5.6 | Bar, 2c. per lb. = 63.5 p. c. | 57.9 p. c. |
| Leather: | | | | Pipe, sheet, and shot, 3c. per lb. = 62.7 p. c. | 57.1 p. c. |
| Board | 689,300 | 121,015 | 17.6 | 30 p. c. | 12.4 p. c. |
| Curried | 71,351,297 | 4,845,413 | 6.8 | 20 p. c. | 13.2 p. c. |
| Dressed skins | 15,399,311 | 2,441,372 | 15.9 | 20 p. c. | 4.1 p. c. |
| Goods | 2,020,343 | 459,318 | 22.7 | 30 p. c. | 7.3 p. c. |
| Morocco (<i>see</i> Dressed skins) | 166,000 | 12,800 | 7.7 | 10 p. c. | 22.3 p. c. |
| Patent and enamelled | 113,348,336 | 9,204,243 | 8.1 | 30 p. c. | 11.9 p. c. |
| Tanned | 801,192 | 73,718 | 9.2 | 20 p. c. | 35.8 p. c. |
| Lightning rods | 5,772,318 | 1,579,313 | 27.4 | 45 p. c. | — 17.4 p. c. |
| Lime and cement | | | | Lime, 10 p. c. | — 7.4 p. c. |
| Linen goods | 602,451 | 124,046 | 20.6 | Cement, 20 p. c. | 19.4 p. c. |
| Liquors: | | | | 40 p. c. | 120.5 p. c. |
| Distilled | 41,063,663 | 2,663,967 | 6.5 | \$2 gall. = Cordials, 127 p. c. | 66.8 p. c. |
| | | | | Brandy, 83.3 p. c. | 795.9 p. c. |
| | | | | Spirits from grain, 302.4 p. c. | 231.4 p. c. |
| | | | | Spirits from other materials, } 322.9 p. c. | 44.7 p. c. |
| Malt | 101,058,385 | 12,198,053 | 12.1 | Bulk, 20c. per gall. = 56.8 p. c. | 27.2 p. c. |
| Vinous | 2,169,193 | 216,559 | 10.0 | In bottles, 35c. per gall. = 39.3 p. c. | 46.2 p. c. |
| | | | | Champagne, \$1.75, \$3.50, and \$7 per doz. = 56.2 p. c. | 68.8 p. c. |
| | | | | Still wines, in bulk, 50c. per gall. = 78.8 p. c. | 18.7 p. c. |
| | | | | Same, in bottles, \$1.60 per doz. = 28.7 p. c. | |

| | | | | | |
|--|-------------|------------|------|--|--------------|
| Lithographing | 6,912,338 | 2,307,302 | 33.4 | Stone, 20 p. c. | — 13.4 p. c. |
| Lock and gun smithing | 1,317,810 | 368,967 | 28.0 | Metal, 45 p. c. | 11.6 p. c. |
| Looking-glass and picture-frames | 2,596,219 | 2,471,105 | 25.8 | 45 p. c. (see Firearms) | 17.0 p. c. |
| Lumber: | | | | 35 p. c. | 9.2 p. c. |
| Planed | 36,803,356 | 5,890,724 | 16.0 | In addition to duty on lumber if planed on | |
| | | | | one side, 50c. per M ft | |
| | | | | Planed on two sides, \$1 per M ft | |
| | | | | Planed on one side and tongued and | |
| | | | | grooved, \$1 per M ft | |
| | | | | Planed on both sides and tongued and | |
| | | | | grooved, \$1.50 per M ft | |
| Sawn | 233,268,729 | 31,845,974 | 13.7 | Hemlock, whitewood, sycamore, and bass- | |
| | | | | wood, \$1 per M ft. = 11.4 p. c. | |
| | | | | All other, \$2 per M ft. = 14.6 p. c. | |
| Malt | 18,273,102 | 1,004,548 | 5.5 | 20c. per bush. = 24.1 p. c. | |
| Mantels, slate, marble, marbleized | 1,030,660 | 318,009 | 30.4 | Slate, 30 p. c. | |
| Marble and stone work | 31,415,150 | 10,238,885 | 32.6 | Marble, 50 p. c. | |
| | | | | Marble, 65c. per cubic ft. = 90.7 p. c. | |
| | | | | Marble, manufactures of, 50 p. c. | |
| | | | | Stone, dressed, \$1 per ton = 22.1 p. c. | |
| | | | | Stone, manufactures of, 20 p. c. | |
| Masonry, brick and stone | 20,586,553 | 6,880,866 | 33.4 | Brick, 20 p. c. (see Stone, above) (see Lime | |
| | | | | and cement) | |
| Matches | 4,668,446 | 535,911 | 11.5 | 35 p. c. | |
| Mats and matting | 439,370 | 125,129 | 28.5 | 20 p. c. | |
| Mattresses and spring beds | 5,288,234 | 868,325 | 16.4 | Mattresses, 30 p. c. | |
| Millinery and lace goods | 9,577,840 | 1,661,044 | 17.3 | Steel wire, average, 38 p. c. | |
| | | | | Laces, 40 p. c. | |
| | | | | Silks, 50 p. c. | |
| | | | | Feathers and flowers, 50 p. c. | |
| Millstones | 355,519 | 96,534 | 27.2 | Straw goods, 30 p. c. | |
| Mineral and soda waters | 4,741,709 | 1,065,633 | 22.5 | 20 p. c. | |
| Mirrors | 304,000 | 42,900 | 14.1 | 30 p. c. | |
| Mixed textiles | 66,221,703 | 13,316,753 | 20.1 | 30 p. c. | |
| | | | | Dutiable according to material, from 35 to | |
| | | | | 60 p. c. | |
| Models and patterns | 908,830 | 389,837 | 42.9 | Wood, 35 p. c. | |
| Mucilage and paste | 16,700 | 3,090 | 18.5 | Metals, 45 p. c. | |
| Musical instruments, materials | 853,746 | 293,062 | 34.3 | 20 p. c. | |
| | | | | 25 p. c., 45 p. c. | |

Average
about 16 p. c.

— 2.3 p. 3.

0.9 p. c.

18.6 p. c.

— 0.4 p. c.

19.6 p. c.

58.1 p. c.

17.4 p. c.

— 10.5 p. c.

— 12.6 p. c.

— 13.4 p. c.

23.5 p. c.

— 8.5 p. c.

13.6 p. c.

21.6 p. c.

22.7 p. c.

32.7 p. c.

32.7 p. c.

12.7 p. c.

— 7.2 p. c.

7.3 p. c.

15.9 p. c.

14.9 to 39.9 p. c.

— 7.2 p. c.

2.1 p. c.

1.5 p. c.

— 9.3 to 10.7 p. c.

Statement showing value of product, amount paid for hired labor, &c. — Continued.

| Mechanical and manufacturing industries. | Each industry during census year (1880). | | | (Tariff.) Rate of duty. | Excess of tariff over cost of labor. |
|---|--|------------------------|-------------------------|--|--------------------------------------|
| | Value of product. | Amount paid for labor. | Percent paid for labor. | | |
| Musical instruments, organs, and materials | \$6,136,472 | \$2,142,539 | 34.9 | 25 p. c., 45 p. c. | — 9.9+10.1 p. c. |
| Musical instruments, pianos, and materials | 12,264,521 | 4,663,193 | 38.0 | 25 p. c., 45 p. c. | — 13.0+7.0 p. c. |
| Needles and pins | 1,378,023 | 392,214 | 28.5 | Needles, 25 p. c. | — 3.5 p. c. |
| | | | | Pins, 30 p. c. | 1.5 p. c. |
| Nets and seines | 291,765 | 54,112 | 18.5 | 25 p. c. | 6.5 p. c. |
| Oil: | | | | | |
| Castor | 653,900 | 44,714 | 6.8 | 80c. per gall. = 62.1 p. c. | 55.3 p. c. |
| Cotton-seed and cake | 7,690,921 | 880,836 | 11.5 | 25c. per gall. = 20 p. c. | 8.5 p. c. |
| Essential | 248,858 | 24,030 | 9.7 | 25 p. c. | 15.3 p. c. |
| Illuminating, not including petroleum refined | 510,000 | 20,950 | 4.1 | 25 p. c. | 20.9 p. c. |
| Lard | 4,721,066 | 161,672 | 3.4 | 25 p. c. | 21.6 p. c. |
| Linseed | 15,393,812 | 681,677 | 4.4 | 25c. per gall. = 68.8 p. c. | 56.4 p. c. |
| Lubricating | 2,925,501 | 208,145 | 7.1 | 25 p. c. | 17.9 p. c. |
| Neatsfoot | 259,086 | 16,554 | 6.4 | 25 p. c. | 18.6 p. c. |
| Resin | 238,471 | 14,590 | 6.1 | 25 p. c. | 18.9 p. c. |
| Oilcloth: | | | | | |
| Enamelled | 1,062,000 | 116,627 | 11.0 | 40 p. c. | 29.0 p. c. |
| Floor | 4,752,587 | 733,235 | 15.4 | 40 p. c. | 24.6 p. c. |
| Oleomargarine | 6,892,939 | 212,952 | 3.1 | As butter, 4c. per lb. = 18.4 p. c. | 15.3 p. c. |
| Painting and paper-hanging | 22,457,560 | 7,920,866 | 35.3 | Paints, 33 p. c.; hangings, 25 p. c. | — 2.3+10.3 p. c. |
| Paints | 23,390,767 | 2,132,255 | 9.1 | 33 p. c. | 23.9 p. c. |
| Paper | 55,109,914 | 8,525,355 | 15.5 | Printing, unsized, 15 p. c. | — 0.5 p. c. |
| | | | | Printing, sized, 20 p. c. | 4.5 p. c. |
| | | | | Common, 15 p. c. | — 0.5 p. c. |
| | | | | Writing, 25 p. c. | 9.5 p. c. |
| Paper-hangings | 6,267,303 | 874,921 | 14.0 | 25 p. c. | 11.0 p. c. |
| Paper patterns | 512,550 | 40,538 | 7.9 | 15 p. c. | 7.1 p. c. |

| | | | | | |
|---|------------|------------|------|--|--------------|
| Patent medicines and compounds | 14,682,494 | 1,051,596 | 11.2 | 50 p. c. | 38.8 p. c. |
| Paving materials | 1,024,243 | 244,339 | 23.9 | 20 p. c. | — 3.9 p. c. |
| Pencils, lead | 279,427 | 102,233 | 33.6 | 50c. gross and 30 p. c. = 54.5 p. c. | 17.9 p. c. |
| Pens : Gold | 533,061 | 172,207 | 32.3 | 45 p. c. | 10.7 p. c. |
| Steel | 164,000 | 88,500 | 54.0 | 12c. per gross = 39.6 p. c. | — 14.4 p. c. |
| Perfumery and cosmetics | 2,203,004 | 238,259 | 10.8 | Cologne, \$2 per gall. and 50 p. c. = 59.2 p. c. | 48.4 p. c. |
| Photographing apparatus | 104,305 | 41,314 | 39.6 | Other perfumery, 50 p. c. | 39.2 p. c. |
| Photographing | 5,935,311 | 1,751,118 | 29.5 | 45 p. c. | 5.4 p. c. |
| | | | | Photographs, 25 p. c. | — 4.5 p. c. |
| | | | | Silk cases, 50 p. c. | 20.5 p. c. |
| | | | | Metal cases, 45 p. c. | 15.5 p. c. |
| | | | | Chemicals, 35 p. c. | 17.2 p. c. |
| Photographing materials | 142,000 | 25,310 | 17.8 | 35 p. c. | 24.2 p. c. |
| Pickles, preserves, and sauces | 2,407,342 | 259,454 | 10.8 | 70 p. c. | 34.0 p. c. |
| Pipes, tobacco | 628,688 | 226,306 | 36.0 | 35 p. c. | 6.5 p. c. |
| Plated and britannia ware | 8,596,181 | 2,453,361 | 28.5 | Metal, 45 p. c.; earthenware, 25 p. c. | 18.7 p. c. |
| Plumbing and gas-fitting | 18,133,250 | 4,770,389 | 26.3 | 35 p. c. | 7.6 p. c. |
| Pocketbooks | 1,769,036 | 484,947 | 27.4 | 15 p. c. | 9.7 p. c. |
| Postal cards | 190,000 | 10,000 | 5.3 | 25 p. c. | — 8.6 p. c. |
| Printing and publishing | 90,780,341 | 30,531,657 | 33.6 | Paper, unsized, 15 p. c. | — 8.5 p. c. |
| Printing materials | 421,316 | 98,878 | 23.5 | Paper, sized, 20 p. c. | — 3.5 p. c. |
| | | | | Type, 25 p. c. | 1.5 p. c. |
| Pumps, not including steam-pumps | 3,644,631 | 652,749 | 17.9 | Ink, 30 p. c. | 6.5 p. c. |
| Racking hose | 5,512 | 1,200 | 21.8 | Wood, 35 p. c. | 17.1 p. c. |
| Refrigerators | 1,739,731 | 423,680 | 24.4 | Metal, 45 p. c. | 27.1 p. c. |
| Rogalia and society banners and emblems | 815,638 | 174,097 | 21.3 | 30 p. c. | 8.2 p. c. |
| Registers, car-fare | 6,600 | 4,875 | 73.9 | 30 p. c. | 5.6 p. c. |
| Rice cleaning and polishing | 3,133,324 | 110,467 | 3.5 | 25 p. c. | 3.7 p. c. |
| | | | | 45 p. c. | — 28.9 p. c. |
| | | | | Rice, cleaned, 2½c. per lb. = 95.7 p. c. | 92.2 p. c. |
| | | | | Rice, uncleaned, 1½c. per lb. = 78.8 p. c. | 75.3 p. c. |
| | | | | Paddy, 1½c. per lb. = 102.1 p. c. | 98.6 p. c. |
| | | | | Tin-plate, 1c. per lb. = 27.2 p. c. | 4.5 p. c. |
| Roofing and roofing materials | 6,227,284 | 1,411,133 | 22.7 | Sheet-iron, 49.5 p. c. | 26.8 p. c. |
| | | | | Sheet-iron, 48.9 p. c. | 26.2 p. c. |
| | | | | Sheet-iron, 40.2 p. c. | 17.5 p. c. |
| | | | | Roofing, felt, 20 p. c. | — 2.7 p. c. |
| | | | | Pitch, 20 p. c. | — 2.7 p. c. |
| | | | | Wholly of rubber, 25 p. c. | 8.3 p. c. |
| Rubber and elastic goods | 13,751,724 | 2,295,972 | 16.7 | Boots and shoes, 25 p. c. | 8.3 p. c. |
| | | | | Manufactures of, 30 p. c. | 13.3 p. c. |

Statement showing value of product, amount paid for hired labor, &c. — Continued.

| Mechanical and manufacturing industries. | Each industry during census year (1880). | | | (Tariff.) Rate of duty. | Excess of tariff over cost of labor. |
|---|--|------------------------|-------------------------|--|---|
| | Value of product. | Amount paid for labor. | Percent paid for labor. | | |
| Rubber, vulcanized | \$767,200 | \$154,700 | 20.2 | 25 p. c. | 4.8 p. c. |
| Rules, ivory and wood | 66,200 | 19,974 | 30.2 | 30 p. c. | 0.0 p. c. |
| Saddlery and harness | 38,081,643 | 7,997,752 | 21.0 | 35 p. c. | 14.0 p. c. |
| Safes, doors, and vaults, fire-proof | 3,352,396 | 1,096,504 | 32.7 | 45 p. c. | 12.3 p. c. |
| Salt | 4,929,566 | 1,200,023 | 26.1 | 8c. per 100 lbs. = 73.3 p. c. | 47.2 p. c. |
| Salt, ground | 361,656 | 44,997 | 12.4 | 12c. per 100 lbs. = 36.6 p. c. | 10.5 p. c. |
| Sand and emery paper and cloth | 262,374 | 30,970 | 11.8 | 20 p. c. | 8.2 p. c. |
| Sash, doors, and blinds | 36,621,325 | 8,540,930 | 23.3 | 35 p. c. | 11.7 p. c. |
| Saws | 3,943,105 | 1,226,370 | 31.1 | 40 p. c. | 8.9 p. c. |
| Scales and balances | 3,252,460 | 783,019 | 24.1 | 45 p. c. | 20.9 p. c. |
| Screws | 2,184,532 | 450,542 | 20.9 | 6, 8, 10, and 12c. per lb., according to size; average, 53.9 p. c. | 33.0 p. c. |
| Sewing-machine cases | 2,064,837 | 683,338 | 33.1 | 35 p. c. | 1.9 p. c. |
| Sewing-machines and attachments | 13,863,188 | 4,636,099 | 33.4 | 45 p. c. | 11.6 p. c. |
| Shingles, split | 47,952 | 11,394 | 23.8 | 35c. per M = 13 p. c. | — 10.8 p. c. |
| Ship-building | 36,800,327 | 12,713,813 | 34.5 | 50 p. c. | 15.5 p. c. |
| Shirts | 20,130,031 | 5,403,096 | 26.8 | 35 p. c. | 8.2 p. c. |
| Shoddy | 4,989,615 | 400,326 | 8.0 | 10c. per lb. = 23 p. c. | 15.0 p. c. |
| Show-cases | 1,172,172 | 329,230 | 28.1 | Wood, 35 p. c.; metal, 45 p. c. | 6.9 and 16.9 p. c. |
| Silk and silk goods | 41,033,045 | 9,146,705 | 22.3 | 50 p. c. | 27.7 p. c. |
| Silversmithing | 263,931 | 76,640 | 29.0 | 45 p. c. | 16.0 p. c. |
| Silverware | 2,253,630 | 675,943 | 30.0 | 45 p. c. | 15.0 p. c. |
| Slaughtering and meat-packing, not including retail butchering establishments | 303,562,413 | 10,508,530 | 3.5 | Pork, 1c. per lb. = 11.2 p. c.; Bacon and hams, 2c. per lb. = 10.2 p. c.; Beef, 1c. per lb. = 12.7 p. c.; Tallow, 1c. per lb. = 13.5 p. c.; Lard, 2c. per lb. = 13.9 p. c.; Gold and silver ores, free; copper, 2½c. per lb. = 24.6 p. c.; Iron, 75c. per ton = 28.4 p. c. | 7.7 p. c.; 6.7 p. c.; 9.2 p. c.; 10.0 p. c.; 10.4 p. c.; 22.7 p. c.; 26.5 p. c. |
| Smelting and refining | 8,411,100 | 158,300 | 1.9 | | |

| | | | | | |
|---|-------------|-----------|------|---|---|
| Soaps and candles | 26,552,627 | 2,219,513 | 8.4 | Fancy soap, 15c. per lb. = 28.4 p. c. Soft soap, 20 p. c. Candles, 20 p. c. Metal, 45 p. c. Marble, 50 p. c. 45 p. c. Manufactures of metal, 45 p. c. Manufactures of wood, 35 p. c. Manufactures of leather, 30 p. c. Manufactures of ivory, 50 p. c. Cards, playing, 100 p. c. 45 p. c. 45 p. c. Potato or corn, 2c. per lb. = 71.6 p. c. All other, 24c. per lb. = 72.2 p. c. Books, papers, &c. 25 p. c. Writing paper, 25 p. c. Manufactures of paper, 15 p. c. Manufactures of glass, 45 p. c. Manufactures of metal, 45 p. c. Manufactures of rubber, 30 p. c. Manufactures of leather, 30 p. c. Manufactures of wood, 35 p. c. 45 p. c. 45 p. c. 25 p. c. Brown and common, 25 p. c. China, plain, 55 p. c. China, ornamented, 60 p. c. 30 p. c. (See below.) Sugar not above 75° by the polariscope, 1.4c. per lb., and .04c. per lb. for every degree additional — average about 46 p. c. Molasses not above 56°, 4c. per gall. = 15.9 p. c. Above 56°, 8c. per gall. = 35.7 p. c. 35 p. c. 20 p. c. Free? | 90.0 p. c. 11.6 p. c. 11.6 p. c. 19.3 p. c. 34.3 p. c. 6.9 p. c. 18.5 p. c. 8.5 p. c. 3.5 p. c. 23.5 p. c. 74.5 p. c. 25.9 p. c. 20.3 p. c. 59.9 p. c. 5.3 p. c. 5.3 p. c. — 4.7 p. c. 97.3 p. c. 25.3 p. c. 0.3 p. c. 10.3 p. c. 15.3 p. c. 19.5 p. c. 15.4 p. c. 18.1 p. c. — 16.3 p. c. 13.7 p. c. 18.7 p. c. 2.6 p. c. 44.2 p. c. 14.1 p. c. 33.9 p. c. 5.7 p. c. — 7.6 p. c. — |
| Soda-water apparatus | 1,075,569 | 169,235 | 15.7 | | |
| Spectacles and eye-glasses | 1,182,142 | 450,897 | 38.1 | | |
| Sporting goods | 1,556,258 | 411,854 | 26.5 | | |
| Springs, steel, car, and carriage | 3,654,862 | 639,412 | 19.1 | | |
| Stamped-ware | 3,512,423 | 868,043 | 24.7 | | |
| Starch | 7,477,742 | 919,197 | 12.3 | | |
| Stationery goods | 5,898,322 | 1,159,893 | 19.7 | | |
| Steam-fittings, heating apparatus | 5,127,842 | 1,305,739 | 25.5 | | |
| Stencils and brands | 472,514 | 139,639 | 29.6 | | |
| Stereotyping and electrotyping | 724,689 | 312,208 | 43.1 | | |
| Stone and earthenware | 7,942,729 | 3,273,535 | 41.3 | | |
| Straw goods | 9,345,759 | 2,556,197 | 27.4 | | |
| Sugar and molasses, beet | 282,572 | 62,271 | 22.0 | | |
| Sugar and molasses, refined | 153,484,915 | 2,875,032 | 1.8 | | |
| Surgical appliances | 906,303 | 265,372 | 29.3 | | |
| Tar and turpentine, not including | | | | | |
| Tar products | 5,876,983 | 1,623,061 | 27.6 | | |
| Taxidermy | 82,500 | 22,000 | 26.7 | | |

Statement showing value of product, amount paid for hired labor, &c. — Concluded.

| Mechanical and manufacturing industries. | Each industry during census year (1880). | | | (Tariff.) Rate of duty. | Excess of tariff over cost of labor. |
|--|--|------------------------|-------------------------|--|--------------------------------------|
| | Value of product. | Amount paid for labor. | Percent paid for labor. | | |
| Telegraph and telephone apparatus | \$1,580,648 | \$458,406 | 29.0 | 45 p. c. | 45 p. c. |
| Terra-cotta ware | 554,343 | 206,650 | 37.3 | 25 p. c. | — 12.3 p. c. |
| Thread, linen | 1,200,000 | 280,000 | 23.3 | 40 p. c. | 18.3 p. c. |
| Tinware, copperware, and sheet-iron ware | 48,096,038 | 10,722,974 | 22.3 | 45 p. c. | 22.7 p. c. |
| Tin foil | 416,849 | 100,673 | 24.2 | 45 p. c. | 20.8 p. c. |
| Tobacco, chewing, smoking, snuff | 52,793,056 | 6,419,024 | 12.2 | Leaf, 35c. per lb. = 65.2 p. c. | 53.0 p. c. |
| | | | | Manufactured, 40c. per lb. = 182.0 p. c. | 169.8 p. c. |
| | | | | Snuff, 50c. per lb. = 119.2 p. c. | 107.2 p. c. |
| Tobacco, cigars, and cigarettes | 63,979,575 | 18,464,562 | 28.9 | \$2.50 per lb. and 25 p. c. = 89.4 p. c. | 60.5 p. c. |
| Tobacco, stemming | 1,879,535 | 170,871 | 9.0 | 30 p. c. | 21.0 p. c. |
| Tools | 4,236,568 | 1,489,531 | 35.2 | 45 p. c. | 9.8 p. c. |
| Toys and games | 1,562,513 | 512,786 | 32.8 | 35 p. c. | 2.2 p. c. |
| Trunks and valises | 7,252,470 | 1,786,586 | 24.6 | 35 p. c. | 10.4 p. c. |
| Type founding | 2,330,298 | 938,698 | 41.1 | 25 p. c. | — 16.1 p. c. |
| Umbrellas and canes | 6,917,463 | 1,158,682 | 16.8 | Silk or alpaca umbrellas, 50 p. c. | 33.2 p. c. |
| | | | | All other umbrellas, 40 p. c. | 23.2 p. c. |
| | | | | Canes, 35 p. c. | 18.2 p. c. |
| Upholstering | 7,158,893 | 1,353,334 | 18.9 | Average, 35 p. c. | 16.1 p. c. |
| Upholstering materials | 1,837,705 | 523,417 | 28.5 | Average, 35 p. c. | 6.5 p. c. |
| Varnish | 5,721,174 | 366,716 | 6.4 | 40 p. c. | 33.6 p. c. |
| Vault-lights and ventilators | 273,395 | 66,204 | 24.2 | 45 p. c. | 21.0 p. c. |
| Veneerings | 292,203 | 35,730 | 12.2 | 20 p. c. | 7.8 p. c. |
| Vinegar | 3,418,038 | 413,451 | 12.1 | 7½c. per gall. = 37.6 p. c. | 25.5 p. c. |
| Washing-machines, clothes wringers | 1,182,714 | 176,287 | 14.9 | 35 p. c. | 20.1 p. c. |
| Watch and clock materials | 300,195 | 86,050 | 28.7 | 25 p. c. | — 3.7 p. c. |
| Watch and clock repairing | 2,712,819 | 866,996 | 32.0 | 25 p. c. | — 7.0 p. c. |
| Watch cases | 4,589,314 | 976,041 | 21.3 | 25 p. c. | 3.7 p. c. |

| | | | | | |
|-----------------------------------|--|------------|------|---|--|
| Watches | 3,271,244 | 1,712,276 | 52.3 | 25 p. c. | —27.3 p. c. |
| Whalebone and rattan | 526,777 | 75,003 | 14.2 | Whalebone, 30 p. c. | 15.8 p. c. |
| Wheelbarrows | 227,392 | 72,489 | 31.9 | Rattans, 10 p. c. | —4.2 p. c. |
| Wheelwrighting | 18,892,858 | 5,074,799 | 26.9 | Wood, 35 p. c. | 3.1 p. c. |
| Whips | 1,698,633 | 415,007 | 24.4 | Metal, 45 p. c. | 13.1 p. c. |
| Windmills | 1,010,542 | 244,197 | 24.2 | 35 p. c. | 8.1 p. c. |
| Window blinds and sash | 2,826,518 | 479,133 | 17.0 | 35 p. c. | 10.6 p. c. |
| Wire | 10,836,600 | 1,982,731 | 18.3 | Wire, 1½, 2, 2½, and 3c. per lb.; galvanized. 2, 2½, 3, and 3½c. per lb. = 27.1 p. c. Covered with cotton, 5½, 6, 6½, and 7c. per lb. = 12.2 p. c. | 10.8 p. c. 18.0 p. c. 8.8 p. c. |
| Wire-work | 9,127,818 | 1,708,165 | 18.6 | Iron wire-rope, 2½, 3, 3½, and 4c. per lb. = 72.2 p. c. | —6.2 p. c. |
| Wood preserving | 101,110 | 14,717 | 14.6 | Steel wire-rope, &c., 3½, 4, 4½, and 5c. per lb. = 44.3 p. c. | 53.5 p. c. |
| Wood-pulp | 2,256,946 | 444,778 | 19.7 | 20 p. c. | 25.6 p. c. |
| Wood, turned and carved | 6,770,119 | 2,148,914 | 31.7 | 10 p. c. | 5.4 p. c. |
| Woodenware | 5,235,474 | 1,539,571 | 29.4 | 35 p. c. | —9.7 p. c. |
| Wool hats | 8,516,569 | 1,893,215 | 22.2 | 35 p. c. | 3.3 p. c. |
| Woolen goods | 160,606,721 | 25,836,392 | 16.1 | Flannels, blankets, hats of wool, knit- goods, balmorals, yarns, and other manufactures of — 10c. per lb. and 35 p. c., 12c. per lb. and 35 p. c. = 62.8 p. c.; 18c. per lb. and 35 p. c. = 68.4 p. c.; 24c. per lb. and 35 p. c. = 67.9 p. c.; 35c. per lb. and 35 p. c. = 62.1 p. c.; average, 65 p. c. | 5.6 p. c. |
| Woollen goods | 5c. per yard and 35 p. c. = 63.5 p. c.; 7c. per yard and 40 p. c., 9c. per yard and 40 p. c. = 64.9 p. c.; 35c. per yard and 40 p. c. = 63.7 p. c.; average, 64 p. c. | | | Women's and children's dress goods — 5c. per yard and 35 p. c. = 63.5 p. c.; 7c. per yard and 40 p. c. = 63.7 p. c.; average, 64 p. c. | 48.5 p. c. |
| Worsted goods | Cloth — 35c. per lb. and 35 p. c., 35c. per lb. and 40 p. c. = 65.8 p. c. 33,549,942 5,683,027 16.9 Carpets — 45c. per sq. yard and 35 p. c., 30c. per sq. yard and 30 p. c., 25c. per sq. yard and 30 p. c., 20c. per sq. yard and 30 p. c., 12c. per sq. yard and 30 p. c., 15c. per sq. yard and 30 p. c., 8c. per sq. yard and 30 p. c. = 49.8 p. c. | | | | 49.5 p. c. |
| Zinc | 2,725,165 | 666,970 | 24.5 | Block or pigs, 1½c. per lb. = 39.1 p. c. Sheets, 2½c. per lb. = 58.3 p. c. Manufactures of, 45 p. c. | 33.3 p. c. 14.6 p. c. 33.8 p. c. 20.5 p. c. |



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